

Message to cattlemen: Beef marketing crucial

Most consumers' attitudes toward beef still are positive, but the beef industry will have to become more market-oriented if it expects to retain a substantial share of the market for high protein foods.

This message was brought to cattlemen by Jane Anderson, director, consumer affairs, American Meat Institute, Washington, D.C. Anderson addressed the Feeder Council Seminar which was part of the annual convention of the National Cattlemen's Assn.

Anderson pointed out that population characteristics are changing and that consumer attitudes toward many foods are changing. If the beef industry is to succeed, she indicated, it will have to analyze the different market segments and then develop and promote products to meet the wants and needs of those market segments. She said it no longer is possible for cattlemen just to produce beef and expect to get it on consumers' tables in competition with other foods.

Citing competitive situations, Anderson said it is necessary to look at red meat in relation to other dietary choices. After all, she observed, people will eat only so many foods in the course of a day, and desires and pocketbooks determine their choices. Some of the population characteristics now affecting choices are smaller family size, double incomes, busier schedules,

higher education levels and more travel. Greater calorie-consciousness, health concerns, more microwave cooking, and other factors may have affected beef adversely. Also, it appears that some of the larger beef cuts do not fit today's average family size. However, other factors can help beef—such as beef's taste appeal, more pre-cooked meals and more shopping (20-25%) by males, who tend to prefer beef.

Versatility, satisfaction and ease of preparation are key sales points for any food, Anderson said, and hamburger is beef's major success story because it has all of those characteristics.

Meanwhile, it is necessary to recognize how competitive products have gained during the past 10 to 20 years. Total per capita consumption of red meat, when viewed over a decade or more, has not shown much change, except for some cyclical swings. However, per capita use of poultry, fish and cheese have shown large increases—reflecting economic and other competitive factors. Poultry's share of the total meat market is now considerably larger than it was.

Anderson said changes in attitudes continue to be seen, and situations vary among different groups of the population. She said the beef industry will have to watch and listen for the changes, and then direct its marketing programs at the different market segments.

Pete Knutson Herefords BULL SALE Tuesday, February 24



This top son of L1 Domino 75901 sells. He is about the right kind, Big, tall, long... the bull will carry your program ahead.



1147... This is a senior calf that sells. Large enough for service in your herd this year and quality enough for most breeders of cattle.



R108-17... One of many of our top calves. We will offer the very best. They have grown well this winter, and they are something that you will want to see.



R108-9... These are a few of the 2-year-olds that sell. They are big; they will be productive.

Pete Knutson Herefords

408/686-4641
Pete and Karen Knutson
Clyde Park, Montana 59018

At the Ranch
Located 3 miles straight east of
**Clyde Park,
Montana**

Free Lunch at Noon • Sale Time: 1:00 p.m.

Offering

60 Bulls

The biggest, strongest set ever.
We do not have a poor bull
in this group.

30 Two-Year-Olds
10 Big Senior Bull Calves
20 Big Bull Calves

Weaning weights and final weights will be posted Sunday.
Our cattle are enrolled in American Hereford FPH program

ALL CALVES RAISED
ON THEIR OWN MOTHERS

Sires Represented:
CH Domino 325
HH Advance A113
RC Mischief K66
L1 Domino 75901
CH Domino 560
SH Advancer 565
DH 66 Misch K147

Comments

Speaking before the National Cattlemen's Assn. in Phoenix earlier this month, Stanley Molpus, president of the American Meat Institute (AMI) said that as part of the program for promotion and consumer relations, "Producers, packers and marketers of beef and other red meat products must have a coordinated plan of action to respond to changes in the marketplace."

"We cannot afford to let possible public misunderstanding about products dampen demand. We must be aggressive and tell our story to create an environment in which we can not only maintain, but enhance, demand for red meat."

Molpus pointed out that the combination of rising prices, competition from alternative protein sources, and a cutback in numbers of cattle available is one rationale to explain lower beef consumption. He said Americans still consume all the beef that is produced and that beef cattle supplies have not recovered from the drastic herd cutbacks of the mid-1970s.

"The true reasons behind lower beef consumption," Molpus summarized, "lie somewhere between those two divergent schools of thought. A healthy beef industry is based on economic incentives to producers and sufficient supplies of cattle to keep meat packing plants and processing plants operating at full capacity."

To determine consumer attitudes toward meat, Molpus said, AMI has commissioned the survey firm of Yakelevich, Skelly and White to conduct a study of consumer attitudes affecting meat consumption. "We hope that, through this study, AMI can act as a catalyst toward helping all segments of the meat industry develop common approaches to the marketing problems we share and that we need the resources and support of each industry segment to accomplish our objectives."

C.O. Emrich, in his newsletter, Marketline, suggests that a logical vehicle to bring all these segments in one meeting would be the Livestock Merchandising Institute headquartered in Kansas City and founded by him. Each June this institute composed of all industry segments, conducts a Livestock Marketing Congress.

Perhaps the AMI consumers' survey could be studied by the Congress and some solid recommendations made to get red meat's promotion and consumer relations moving.

DICK CROW

From dry to worse?

Light snowpack sparks water worries

By PATTI THORN and MARTHA WILLIAMS
Below normal precipitation throughout the West has farmers and ranchers worrying about their crops, and with good reason, say sources contacted by WLJ.

Although some of the heavy precipitation months are still to come, snowpack is below average in most states, in some cases breaking records set for lows during the drought of 1977.

According to Bernie Shafer, snow survey supervisor for Colorado and New Mexico, the West has had a "very dry" winter and may see an "even worse summer, if there's no moisture soon."

Shafer noted that Colorado's snowpack, as of Feb. 1, is 40% of normal, measuring the least amount of snow for this time of year in 46 years. Assuming normal precipitation from now on, Coloradoans can expect stream flows to run at 36% of normal this summer. One-third of the state is worse off than during the drought of 1977, he said.

Wyoming: Snow pack is 49% of average, four percent above the lowest record for snow at this time of the year. Stream flow (assuming normal precipitation from now on) will run between 49-82% of normal.

California: Snowpack is 70% of normal. Stream flow is 58-81% of normal.

Washington: Snowpack varies from four to 60% of normal, in some places nearing record lows set in 1977. Stream flow is 70% of normal.

Idaho: Snowpack is 30-80% of normal, averaging 55% of normal. Stream flow is 36-82% of normal.

Utah: Snowpack is 16-71% of normal, with the northern areas of the state better than they were in 1977 and the southern areas worse than in 1977. Stream flow is running from 23-150% of average, with

most of the state about 65% of normal.

Montana: Snowpack is 40-50% of normal, with streamflow 60-70% of average.

Oregon: Snowpack is nine to 35% of average in the Cascades, where new records for low snowpack were set. Stream flow is 65% of normal.

Some of the impact of a dry winter can be offset in areas where reservoirs are full and where irrigation is widespread. According to a

report, reservoirs in New Mexico are twice their usual size, and Washington reservoirs are "adequate."

Another factor which could be critical, said Myron Fritzer, program specialist with the Colorado Agricultural Stabilizations & Conservation Service, is the wind situation in March. Winds typical of the month, especially in Colorado, can pull whatever moisture there is, out of the ground, noted Fritzer.

If the dry winter trend (Continued on page 16)

WESTERN LIVESTOCK JOURNAL

News • Trends • Sales • Shows • Markets

February 23, 1981 Central Edition Vol. 60, No. 17

Administrative bungles, abuse cause alcohol fuel loan freeze

USDA investigators found sloppy paperwork and apparent Farmers Home Administration administrative abuses in alcohol fuels project loan guarantees that have since been frozen by Agriculture Secretary John Block, reports Commodity News Service.

Block recently released a previously confidential audit, prepared by the USDA's Office of Inspector General (OIG), which said loan

guarantees for 15 projects, totaling \$342 million, that were approved in late September and early October 1980 were not reviewed carefully by FHEA personnel and may have been expedited for political purposes.

"The rushed processing of applications and promissory obligations prior to the end of (fiscal year) 1980... appeared to violate the spirit, if not the intent, of the year-end spending re-

strictions imposed by Office of Management and Budget," the report said. Fiscal 1980 ended Sept. 30, 1980.

"Our review... disclosed that many loan processing and decision-making procedures were disregarded or violated, that the loan guarantee applications were inadequately reviewed by national and state (FHEA) personnel, and that the feasibility of many of the projects was not properly determined prior to loan guarantee approval."

The review said 13 of the projects were found to have improperly received guarantees totaling \$218 million from the fiscal year 1980 FHEA budget.

Those guarantees, during the last week of the fiscal year, were processed so rapidly that incomplete paperwork made the guarantees legally invalid, the audit said.

Although the OIG found (Continued on page 7)

Cattle on feed dips to six-year low point

There were 7.51 million head of cattle and calves on feed in the U.S. as of Feb. 1, down six percent from February 1980, the USDA said in a cattle-on-feed report, according to CNS.

USDA said this Feb. 1 figure was the smallest February cattle-on-feed number since 1975.

USDA said 1.53 million head of fed cattle were marketed during January, nine percent below a year ago and 19% below January 1979.

According to USDA 1.28 million head of cattle were placed on-feed during January, five percent less than in January 1980 and 19% less than in January 1979.

Net feedlot placements during January were 1.17 million head, down one percent from a year earlier.

The lower-than-expected marketing figure was the most significant and disappointing number in the report, analysts contacted by CNS said.

However, price pressure on near-term cash cattle prices is not expected because much progress has been made in marketing

numbers of fed cattle during the first two weeks in February, the analysts said.

The marketing figure of 91% of a year ago fell below the average trade estimate of 93.5% calculated by CNS, and it indicated that cattle feeders in the seven states did not market sufficient numbers of cattle during January, they said.

However, the trade volume in Kansas and Texas during the past two weeks has been the largest in months, according to Joe Kropf of Livestock Business Advisory Services, Inc.

Feedlots in the South are more current now than they have been since last fall, said Tom Tippens of Professional Cattle Consultants.

Monfort of Colorado Inc. has announced it will phase out one of its two Colorado feedlots and consolidate cattle feeding operations into one facility, according to CNS.

President Kenneth Monfort announced that the company's Gilcrest, Colo., feedlot would be phased out and that all cattle would be fed at the company's Kruer, Colo., feedlot.

Monfort said the company will have 100,000 to 110,000 cattle on feed at one time in the Kruer feedlot.

According to a recent ranking of feedlots in Farm Futures Magazine, Monfort of Colorado was listed as the nation's second largest cattle feeder with two lots.

The consolidation at the company's more efficient Kruer feedlot will result in annual cost reductions of about one million dollars in energy, payroll and other costs, Monfort said. About (Continued on page 15)

Just a few days ago the Department of Agriculture issued a report indicating that three million acres of American farmland are being converted each year to build shopping centers, highways and houses," Wallop said. "The problem of farmland conversion will affect this nation's ability to produce food, not only for ourselves, but for an expanding world population."

Wallop, who introduced similar legislation two years ago, said if estate tax problems are not addressed, "the country will see farmland converted to non-agricultural uses at an accelerated pace."

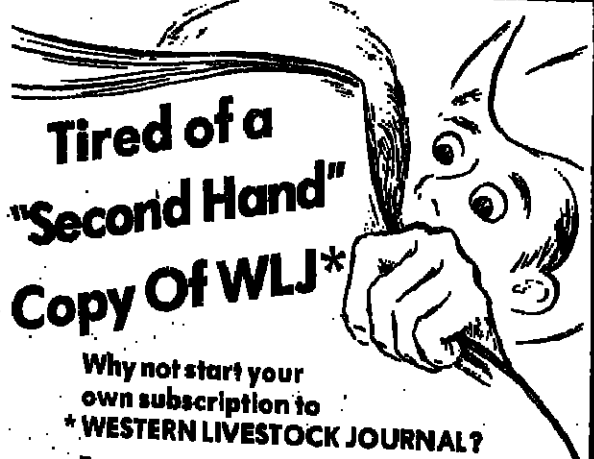
Senators propose estate tax relief

Legislation designed to relieve the burden of inheritance taxes and prevent many family-owned farms and small businesses from having to sell out to large corporations was introduced recently by Senate Finance Committee members Malcolm Wallop (R-Wyo.) and David Boren (D-Okla.).

"Heavy estate tax burdens, coupled with the consequences of inflation, are forcing many family-owned farms and small enterprises out of business and making it difficult, if not impossible, to pass the operation on from one generation to the next," Wallop said. "When estate taxes force farmers or family-owned businesses to sell out to large corporations, then we have a government policy that changes the economic landscape of this nation."

Wallop, who introduced similar legislation two years ago, said if estate tax problems are not addressed, "the country will see farmland converted to non-agricultural uses at an accelerated pace."

Wallop said, "When estate taxes force farmers or family-owned businesses to sell out to large corporations, then we have a government policy that changes the economic landscape of this nation."



For just over 25 cents a week you can get the latest in market trends, auction reports and industry news. Might just be the best two-bits you'll ever spend.

Subscribe for 3 years... Save \$16.50!

Fill out this coupon and mail to: WLJ, P.O. Drawer 177, Denver, CO 80217

Please check: ☐ 3 years... \$33.00 ☐ 2 years... \$26.00 ☐ 1 year... \$16.50

☐ I would also like to receive the monthly LIVESTOCK Magazine FREE (to cattle producers who qualify)

Name _____ Address _____

Town _____ State _____ Zip _____

☐ New subscriber ☐ Check enclosed ☐ Please bill me ☐ Please charge ☐ Visa ☐ MasterCard

Card # _____ Expiration Date _____ Cardholder's Signature _____

NEWSPAPER (priority handling)

NEWSPAPER (priority handling)



"Naw, he ain't a wild man, just a Democrat that lost in election!"

Western Livestock Journal

HOME OFFICE
400 Livestock Exchange Bldg.
Mailing address: P.O. Box 177
Denver, Colo. 80217, 303/423-2800

DICK CROW
Editor/Publisher
PATTI THORN
Managing Editor
GLEN RICHARDSON
Editorial Director
DOUG LIEBLE
Staff Editor
LARRY MARSHALL
Staff Editor
ALEX MOSTROUS
Staff Editor
MARTHA WILLIAMS
Women's Editor

KENT HOLLEN, Executive Advertising Coordinator

LIVESTOCK ADVERTISING

Don Danks, Jerry York, Fred Green, Managers

AREA FIELD EDITORS

JOHN COOTE, P.O. Box 1651, La Grande, Ore. 97850, 503/963-6274

DON DORIS, 3933 Five Mile Drive, Stockton, Calif. 95209, 209/951-3217

FRED GREEN, JR., 907 Mollick Tower, Fort Worth, Texas 76102, 817/336-1459, Res. 402/226-4387

RALPH HEINEMANN, 5405 Genoa, Billings, Mont. 59102, 406/456-0554

LEE PITTS, 7320 Ticonderoga N.E., Albuquerque, N.M. 87109, 505/821-1443

JAY PURCHASE, 2901 W. 2nd, North Platte, Neb. 69101, 308/532-5819

JERRY YORK, 437 Crawford Circle, Longmont, Colo. 80501, 303/773-7910

COMMERCIAL ADVERTISING REPRESENTATIVES

DICK BANNON, Home Office, 4761 Madison St., 4th Floor, Lark, Each Bldg., Denver, Colo. 80216, 303/623-2800

TOM LAMPERT, Valentine Rep., 900 Jorie Blvd., Suite 14, Office 5, Oak Brook, Ill. 60521, 312/966-8877

WILLIAM VALENTINE, Valentine Rep., P.O. Box 343, Richmond, Mich. 49083, 616/629-4302

KENT BLACKBURN, Valentine Rep., 1000 East 146th St., Suite 105, Burnsville, Minn. 55337, 612/432-1250

RON KUBER, 1177 W. Hudson, Fresno, Calif. 93728, 209/441-1201

Crow Publications, Inc.
Dick Crow, President
Sally Crow, Executive Vice President
Jerry Smith, Vice President & General Manager
Glen Richardson, Vice President & Editorial Director
Trene Field, Executive Secretary
Treasurer & Controller
Bill DeKeyser, Marketing/Circulation Director
Bernadine Jewell, Circulation Manager
Ruth Goodhue, Administrative Assistant
Barbara Wyckoff, Classified Ad Manager
Gwen Black, Production Manager
Scott Horvath, Art Director

Western Livestock Journal (ISSN 0042-0710) is published weekly by Crow Publications, Inc., 4761 Madison St., 4th Floor, Denver, Colo. 80216. Second-class postage paid at Denver, Colo., and at additional mailing offices. Postmaster: Send address changes in Denver, Colo. to Western Livestock Journal, P.O. Box 177, Denver, Colo. 80217.

Farm, ranch workers increase in Colorado

The work force on Colorado farms and ranches during the survey week of Oct. 12-18, 1980 totaled 51,000, an increase of 10,000 workers from a year ago. The number of family workers, at 31,000, was up 24% from the previous year. The number of hired workers increased by 25% to 20,000.

Coming Events

Feb. 25-March 6—Houston Livestock Show & Rodeo, Houston, Texas

COMING AUCTIONS

Feb. 23—Rausch Hereford Farms, Haven, S.D.

Feb. 24—D & M Farms Limousin Production Sale, North Platte, Neb.

Feb. 24—Grohans Hereford Production Sale, Holyoke, Colo.

Feb. 25—De Jong Bros. Angus-Maine 'Anjou-Simmental-Chardais Bull Sale, Chamberlain, S.D.

Feb. 25—Everett Ranches 3rd Annual Limousin Sale, Cortez, Colo.

Feb. 25—Nebraska Shorthorn Female Sale, Columbus, Neb.

Feb. 25—2nd Annual Brenham Brangus Sale, Brenham, Texas

Feb. 25—Western Polled Hereford, Inc. Annual Sale, Burlington, Colo.

Feb. 26—Bettelspacher Ranch Angus-Simmental Production Sale, Bowdler, S.D.

Feb. 26—McFate Herefords, Callaway, Neb.

Feb. 27—American Pinzgauer Assn. Sale, Houston, Texas

Feb. 27—Crescent Bar Ranches Registered Black Angus Bull Sale, Parks, Neb.

Feb. 27—El Paso Livestock Auction Co., Inc. 18th Annual Bonanza Range Bull Sale, El Paso, Texas

Feb. 27—TFL Ranch Dispersal of Herefords, Torrington, Wyo.

Feb. 27—Texas Charolais Breeders Assn. 16th Annual Sale of Sales, Houston, Texas

Feb. 28—Eckley Herefords, Riverton, Wyo.

March 1-4—Calgary Bull Sale, Calgary, Alberta, Canada

March 2—Efferiz Key Ranch Charolais Production Sale, Minot, N.D.

March 2—Hildebrand Angus Farms, Maple, Neb.

March 3—Beaver Creek Limousin Ranch Bull Sale, North Platte, Neb.

March 3—New Mexico Brahman Bull Sale, Roswell, N.M.

March 3—T-Cross Ranches, Hartsford, Peyton, Colo.

March 4—Hansen Farms, Inc. Angus Bull Sale, Torrington, Wyo.

March 4—La Junta Livestock Commission Co./LJD Complete Dispersal, La Junta, Colo.

March 4—Panhandle State University Bull Sale, Goodwell, Okla.

March 5—Public Auction Yards Range Bull Sale, Billings, Mont.

March 6—Born Herefords 20th Annual Production Sale, Follitt, Texas

March 6—Edgar Cripps & Sons Hereford Sale, Riverton, Wyo.

March 7—Collier Diamond C Ranch Extra Edition, Simmental Bull Sale, Stephenville, Texas

March 7—Golden Spread Texas Longhorn Assn. Bull Sale, Amarillo, Texas

March 7—Mid America Brangus Breeders Sale, Junction, S.D.

March 7—The Longhorn Bull Sale, Ft. Worth, Texas

March 7—The Texas Charolais Assn. Sale, Waco, Texas

Letters

No time to wait

In answer to the letter in the Livestock Journal of February 2:

You are right, young man, there has got to be (and is) a way for "poor people" in own land. Quit sitting around feeling sorry for yourself and waiting for somebody or "the government" to help you! God still helps those who help themselves.

My husband and I started out 20 years ago with absolutely nothing but each other and a baby on the way. We borrowed \$500.00 to buy a small business and have, over the years, turned that small investment into a 450 cow ranch. We have also managed to raise six wonderful children during this time. It took gumption, initiative and hard work and we did without fancy clothes, furniture, cars, etc., but it was worth it.

We certainly had no time to waste on self-pity or to sit around waiting for a handout! We are living proof that America is still a land of opportunity and it is not "impossible" to acquire land if you're "poor."

You say you're on the outside looking in—Well, do something about it! Don't expect somebody to come dry the tears from your eyes, carry you to the door and open it for you so you can get "in." Our biggest problem in America today is that there are too many people like you looking to the government for a handout. Get up and open that door yourself.

A Rancher's Wife

Start with a foothold

In regard to Victor Privette's letter of his desires to own a ranch or a rock pile to run wild horses on.

This can be obtained with a little determination, but I might add, not overnight.

First, remember the good old USA does not owe you a living or a ranch. Start small and go from there.

In 1963, my wife and I purchased five acres in Wilson, Wyo. for the whopping sum of \$200 per acre. I worked in a sawmill, rodeoed, shod horses, or anything to make a dollar to make payments.

We lived on love, elk meat, potatoes and Gravy Train, but we had a foothold. Then some nut came along six years later and paid us \$8000 for that same five acres. (That Wilson property is worth about \$25,000 per acre on today's market.)

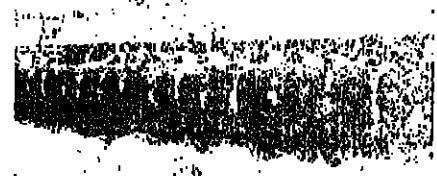
Then we purchased 320 acres in Idaho, sold it and bought a bigger place in Washington, sold again and moved to our present location.

I might add, if I had the desire and could live long enough, I could trade up to a 500 or 1000 cow ranch.

Remember, you're not born with good credit. You have to earn it. Like me, the first time you go to a bank or loan association, they'll look at you like you're trying to rob them instead of obtain a loan. But just start saving those dollars for a down payment. Only in the good old USA is this possible!

Ralph Burrows
McVernon, Ore.

Your Opportunity For HERD IMPROVEMENT



We have had the Champion or Reserve Champion Junior Calf Carload in Denver the past four years.

BORN HEREFORDS 20th Production Sale

March 6, 1981
12:30 p.m. at the ranch
Follett, Texas

90 Bulls
25 Heifers (Bred & Open)

"We have been performance testing for 25 years, and also have been practicing a rapid generation turnover to further enhance the performance of our cattle, as our cow herd averages less than 5 years of age. A rigid culling process has been practiced for years based on weaning and yearling ratios and the maternal breeding ratios. We feel this offering has the genetic ability to increase the performance of most cattle."



Write For Catalog
Sale of the Ranch, on Highway 305
BORN HEREFORDS
FOLLETT, TEXAS 79034
Phone: Leroy 806/624-3331 Sun 806/624-2402
Honey or Lynn 806/624-2082

You're in good company when you advertise in Western Livestock Journal

REGISTERED BRANGUS BULL



Sponsored by
BLUEBONNET Brangus Breeders
Selling 100 BRANGUS BULLS
SATURDAY, MARCH 14
1:00 p.m., Port City Stockyards
Sealy, Texas
Fertility, Bangs & T.B. Tested • Ready to Work
For information or catalogs contact:

SALE MANAGERS
Box 807, Bellville, TX 77418
Phone: 713/865-3616
Houston: 713/463-6000

PFCATTLE COMPANY

Auctioneers
REYES & REYES

Helms picks subcommittee heads

Senator Jesse Helms, chairman of the Senate Committee on Agriculture, Nutrition, and Forestry, has announced the selection of subcommittee chairmen.

At the same time, Chairman Helms said the committee has agreed to a slight reorganization of the subcommittees.

The number of subcommittees has been increased from seven to eight.

Two new subcommittees have been created from the former subcommittee on environment, soil conservation, and forestry. They are: subcommittee on soil and water conservation, with Senator Roger W. Jepsen of Iowa as chairman; and subcommittee on forestry, water resources, and environment, with Senator S.I. (Sam) Hayakawa of California as chairman.

Also, the subcommittee on rural development has been expanded to the subcommittee on rural development, oversight, and investigations, with Senator Mark Andrews of North Dakota as chairman.

The subcommittees, their chairmen and members are:

- Soil and water conservation (subcommittee no. 1)—Senator Jepsen, chairman, with Republican Senators Thud Cochran of Mississippi and Hayakawa; and Democrat Senators Howell Heflin of Alabama and Walter D. (Dee) Huddleston of Kentucky, who is also ranking minority member of the full committee.

• Agricultural credit and rural electrification (Subcommittee no. 2)—Senator Paula Hawkins of Florida, chairman, with Republican Senators Jepsen and Andrews; and Democratic Senators Edward Zorinsky of Nebraska, Heflin, and David L. Boren of Oklahoma.

• Foreign agricultural policy (subcommittee no. 6)—Senator Boschwitz, chairman, with Republican Senators Lugar, Cochran, Dole, Jepsen, and Mrs. Hawkins; and Democrat Senators Dixon, Pryor, Boren and Zorinsky.

• Nutrition (subcommittee no. 7)—Senator Dole, chairman, with Republican Senators Hayakawa, Lugar and Mrs. Hawkins; and Democrat Senators Leahy, Melcher and Dixon.

• Forestry, water resources, and environment (subcommittee no. 8)—Senator Hayakawa, chairman, with Republican Senator Jepsen; and Democrat Senator Melcher.

• Agricultural production, marketing, and stabilization of prices (subcommittee no. 3)—Senator Cochran, chairman, with Republican Senators Helms of North Carolina, Andrews, Rudy Boschwitz of Minnesota, and Mrs. Hawkins; and Democrat Senators Huddleston, Zorinsky, John Melcher of Montana, Alan J. Dixon of Illinois, and Patrick J. Leahy of Vermont.

• Rural development, oversight, and investigations (subcommittee no. 4)—Senator Richard G. Lugar of Indiana, chairman, with Republican Senators Bob Dole of Kansas, Hayakawa, Boschwitz and Andrews; and Democrat Senators Boren, Huddleston, David Pryor of Arkansas, and Heflin.

• Food Service sales results were disappointing for the quarter, the company said, with all three major lines, Oscar Mayer, Louis Rich and Chef's Pantry, performing under volume and margin goals. Total food service results were negative.

The company reported that its international operations contributed \$2.125 million more to profits than a year earlier.

It was announced recently, that General Foods Corp. had agreed in principal to purchase Oscar Mayer for \$464 million. That agreement must yet be approved by the boards of directors of both companies and Oscar Mayer shareholders.

Results from consumer sales of Oscar Mayer brand processed meat products were improved, despite a decline in sales volume of about 11%, the company reported. Louis Rich brand

KEEPING UP—To keep pace with the demands of the ever-growing Houston Livestock Show, officials have announced the addition of Michael E. McCravy as a permanent member of the livestock show staff. McCravy joins the show as assistant manager, with primary responsibilities in all areas of the livestock and horse show management.

the results sale . . .

OFFERING
53 SELECT PAIRS
15 TOP FALL CALVING COWS
40 OUTSTANDING
OPEN HEIFERS

FEATURING DAUGHTERS OF:

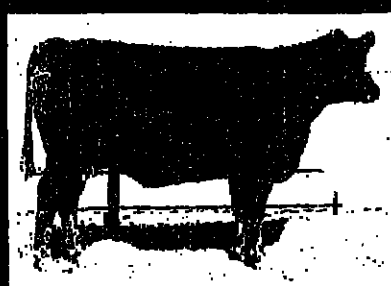
CRR Emulous Pacesetter
CRR Emulous 26 17 "Big E"
"Shoshone" • "Dynamo" • "Chaps"
"60E" • Thomas Boulder
Emulous Paragon
Thomas Buckshot

FEMALES SELL BRED TO OR HAVE CALVES Sired by:

"Warrior" • "Chaps"
"Patriot" • "Powerplay"
"Shoshone" • "Franco"

Auctioneers: Ray Sims & Eddie Sims

drake farms
Tom, Bob and
Mrs. Clifford Drake
P.O. Box 513
Davis, Oklahoma 73030



D F EMULOUS PRINCESS 7059
A super 4 yr. old daughter of CRR Emulous Pacesetter. She has a top Oct. 28, 1980 bull calf by "POWERPLAY" at side. One of the best to sell this year!

DRAKE FARMS HAS THE RIGHT BREEDING PROGRAM . . . THE RESULTS THAT SELL MARCH 9th PROVE IT!

SPECIAL ATTRACTION
ECKERTS FLASHY LADY E004 the 1981 DENVER JR. HEIFER Calf CHAMPION Sells! As a special feature we are offering a 1/2 embryo interest in this tremendous young Champion. She is by Thomas Flash. TRANSPLANT MATERIAL AT ITS FINEST!!!

For Catalogs & Information Contact The Sale Manager

JDA
JAMES DUNN & ASSOCIATES, INC.
P.O. Box 513
Citrus Heights, California 95610
(916) 723-6122

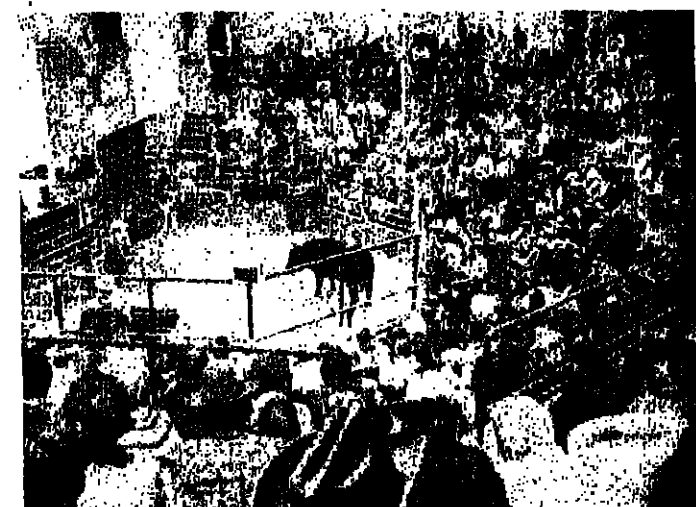


ECKERTS FLASHY LADY E004
The 1980 Denver Jr. Heifer Calf Champion. She is a super Jan. 16, 1980 daughter of Thomas Flash. Selling 1/2 Embryo interest in this champion. TRANSPLANT MATERIAL AT ITS FINEST!!!

MARCH 9th . . . at the farm . . . DAVIS, OKLAHOMA

You're in good company when you advertise in Western Livestock Journal

THREE HUNDRED RANGE BULLS SELL



All bulls fully guaranteed. Angus and Hereford bulls—the best of Montana and surrounding areas. The Graded Sale at PAYS.

- All bulls guaranteed breeders by consignors
- All negative brucellosis tested
- Sold in go-rounds by grade

This annual graded bull sale of Black Angus, Polled Herefords and Horned Hereford bulls, all bulls guaranteed coming from some of the Northwest's outstanding breeders. Cattle will be graded Wednesday afternoon, March 4, by Keith Stevenson, Stevenson Angus, Hobson, Mont., and Dan Landers, Landers Hereford Ranch, Wilsall, Mont.

Ralph Heinemann for Western Livestock Journal

Public Auction Yards Billings, Montana Thursday, March 5

Sale Time: 10:00 a.m.

Featuring over
100 two-year-old registered Angus bulls
50 Registered Angus Bulls
30 Registered two-year-old Polled Hereford Bulls
125 Registered two-year-old Horned Hereford Bulls

Write or call for information:

Public Auction Yards PAYS

P.O. Box 1781 • Billings, Montana 59107
406/245-6447

USDA sets target of New Year's for start of tough brucellosis tests

Unrestricted cattle shipping may come to a screeching halt next New Year's day, according to a USDA veterinarian.

"Producers now enjoying unrestricted shipping of their cattle may find that their state no longer qualifies for testing exemptions next January," said Paul Becton.

Becton is director of the national brucellosis eradication program for USDA's Animal and Plant Health Inspection Service.

By next New Year's day, new state classifications, along with more stringent testing to ship breeding cattle, will go into effect, he said.

"Cattle producers can do something now, however, to keep shipping cattle without any problem," Becton said.

"If you raise and sell breeding cattle, stocker cattle or dairy herd replacements, you can get your herd certified free of brucellosis."

"Then, it won't matter what classification your state has—you can ship with no testing requirements."

To be certified, a herd must test "negative" twice, with 10 to 14 months between tests, Becton said. To maintain this status, the herd must be tested every year.

"Producers must also follow good management practices," Becton said. "All cattle over six months of age, with the exception of steers and spayed heifers, must be included in each herd test."

Such testing is normally done by a private veterinarian. In outbreak areas, however, where extensive testing is being done by animal health officials, the first herd test may be done at government expense.

"You're likely to find that the cost of certifying a herd is a small price to pay for the assurance it's free of this easily spread disease," said Becton. "Not only will you be able to sell cattle whenever you want with no pre-testing, but buyers often pay premium prices for cattle from certified-free herds."

Brucellosis, sometimes called Bang's disease, is an infectious, bacterial disease of cattle and other animals that can be transmitted to humans. In livestock, it causes abortions, lowered milk yields and breeding problems.

Eradicating brucellosis is a cooperative state-federal program, Becton said. Minimum standards for states to follow are issued by USDA and are based on recommendations of the U.S. Animal Health Assn., an organization representing state animal health agencies and various producer groups.

"At the request of the association, a technical commission did a 30-month study of the entire program," Becton said. "Based on the commissions 1978 report, the association recommended extensive changes designed to: augment detection of disease, improve handling of infected herds, bolster resistance to disease in cattle and reduce spread."

Many recommended changes are already in effect, he said. "However, the reclassification of states and tightening of certain shipping controls were targeted for Jan. 1, 1982."

This was to allow state animal health agencies and individual producers additional time to prepare for the stricter standards.

Current brucellosis shipping rules are largely based on county classifications. Counties are classified as certified free, modified certified or noncertified. All counties in 31 states are now certified free. To qualify, a county must have no infection at time of certification and a herd infection rate of less than one percent during the preceding 18 months.

Beginning next year, however, county classifications will be dropped and movement restrictions will

rest on statewide A, B and C classifications, Becton said.

"To be Class A, a state must have no brucellosis-infected herds for 12 months," Becton said. "Outbreaks caused by imported cattle that result in no spread to other herds will not count against the 12 months nor cause a status loss."

"Right now, it appears that only 10 to 12 states will qualify as Class A by the first of next year. A like

number may qualify a few months later. It's evident, however, that the tighter shipping rules accompanying the 1982 state classifications will affect a good many cattle producers."

Animals subject to testing include: nonvaccinated cattle over 18 months of age; vaccinated beef cattle over 24 months of age; and vaccinated dairy cattle over 20 months of age. Steers and spayed heifers are exempt.

Complete Dispersion

of the TFL (Jordan Ranch, Iron Mountain, Wyo.) Commercial Hereford Herd

FRIDAY, FEB. 27

1 p.m., Torrington Livestock Commission Co.

Torrington, Wyoming

380 HEAD Top Hereford Cows bred to Angus Bulls

112 Years of Improvement • 1869-1981

Sale Management:

Ted Thomas • Box 2105
Cheyenne, WY 82001
307/634-5585

T.V. Jones • 808 Arapaho
Cheyenne, WY 82001
307/632-6118

Dunmire Ranch • 307/422-3492

Iron Mountain, WY 82082

DEVON

REGISTERED DEVON CATTLE
DEVON
Polled & Horned
ACRES
Ron Anderson, Manager
Breeding Stock Available at All Times
529/298-3108 • 11840 Hwy. 140
Eagle Point, Oregon 97524

DEVON BREEDING
STOCK AVAILABLE
PAPALOTE
Land & Cattle Co.
Mar 0 Center Point 51/5/1 1958
100% Commercial
Victoria, Texas 77901



QUEEN — Cheryl Linthicum, 17, of Welch, Okla., has been chosen to serve as the 1981 National Limousin Queen. Cheryl, the daughter of James and Betty Linthicum, has been active with Limousins since 1974.

First proposal out for 1981 farm bill

Sen. John Melcher, D-Mont., introduced the first legislative proposal for a 1981 farm bill, S-480 Congressional sources said.

As expected, the bill proposes an end to deficiency payments to farmers by eliminating the target price concept in the present Farm Act. It would raise the loan level for major grains and soybeans to 75% of parity, the sources said.

The bill would leave intact the farmer-held grain reserve, but specifies that the minimum amount of wheat kept in the reserve be no less than 400 million bushels. The reserve release level would be 120% of the loan rate, and the call level 140%.

In the event of an embargo on agricultural goods for "any reason," the bill requires the agriculture secretary to immediately set the loan levels at 100% of parity.

The bill also calls for more stringent inspection of foreign meat packing plants that export meat to the U.S.—more in line with those required for domestic packers. Essentially, this sets stricter standards for meat chilling methods and chemical residues.

Melcher's bill also increases the authorization on the Title II program of PL480 to \$900 million from \$750 million, the sources said. It also restricts dairy product imports and regulates a set-aside program on a voluntary basis—both at the discretion of the agriculture secretary.

BEAVER CREEK RANCH presents

Springtime
LIMOUSIN BULL SALE
March 3, 1981

1:00 p.m. Lincoln County Fairgrounds
North Platte, Nebraska
Sale Day Phone: 308/532-1204

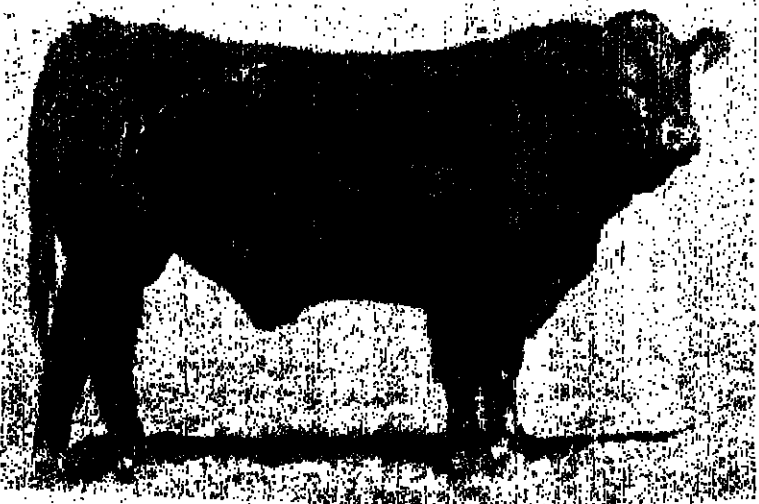
Selling
70
LIMOUSIN BULLS
35 Red — 35 Black

This top set of bulls will be some of the best to sell this spring. All bulls are ready to use and in top condition. Come and buy with confidence on March 3.

Free Lunch on Sale Day

Sale Management by
CATTLE BROKERS INC.
Don Farnish (110) 534-1067 • (308) 534-3771 M.O. Smith
Box 844 • 319 East 9 St.
North Platte, NE 68901
Ph: 308-534-8100

Auctioneer: C.K. "Sonny" Booth
Beaver Creek Ranch
Lester Adler, Herdsman
316/375-4816
Leoti, Kansas 67861
Ralph Copeland
308/534-5812
608 Dillon Court
North Platte, Neb. 68901



ANGUS OFFICERS—Newly elected officers of the North Dakota Angus Assn. are: Vice President Lynn Frey (left), Granville; Secretary-Treasurer Brian Sundsbak, Minot; and President Greg Halverson, Forest River. The officers were chosen at the group's annual meeting and banquet recently in Minot.

Farm export project finding:

U.S. export expansion to continue in next decade

U.S. agricultural exports are expected to continue expanding through the next two decades, but a comprehensive strategy in farm policy is needed to achieve this goal, according to several speakers at the opening session of the U.S. Farm Export Education Project held recently in Washington.

The project, coordinated by the Agricultural Council of America and compiled by several different sectors of the export trade, generally called for continued technological advancement, expanded export development programs, improved transportation systems and general incentives to improve domestic productivity to insure a healthy atmosphere for agricultural trade, according to CNS.

Whether the U.S. can continue to produce more

food and fiber from a decreasing land resource base is a major concern, said Nicholas Reding, chairman of the National Agricultural Chemicals Assn. and managing director of Monsanto Agricultural Products Company.

Reding, the group vice president, also called for a return to concentration on agricultural research.

Auction Results

MISSOULA "TOP CUT" RANGE BULL
Missoula, Mont., Feb. 17
242 bulls.....\$910

Auctioneers:

Bill Rehm and Alan Meyers

Tops: PTZ Banner Sky, 3/25/78 by WSF PRL Justa Banner; Terry Pitta, Dixon, to Ray Handley, Clinton, \$2800. BD L1 Dom 4386, 9/18/78 by CL 1 Domino 124; Dutchman Hereford Ranch, Avon, to D. Smith, Hunters, Wash., and W.T. Bennett, Connell, Wash., \$2800. Selkirk Plegan 6, 3/15/79 by Selkirk Captain 6151; Ray Snyder & Sons, Drummond, to Rolling Stone Ranch, Ovando, \$2200. BJ L1 Domino 903, 3/15/79 by L1 Domino 78731; Pat Wilson, Trout Creek, to Middlemist Ranch, Dixon, \$2050. Box C1 Evan 425, 3/11/79 by EK CL Evan Misch 288; Beckstrom Ranch, Inc., Bell, to Pandagrast Hereford Ranch, Stevensville, \$1850. Mark Plegan 10, 4/18/79 by SR Mark Arthur H517; L. Dyer & Sons to Don Walker, Lewistown, Idaho, \$1800. RB Don Hie 810, 3/17/79 by G1 147 Don 481; Ray Snyder, Moles, to Marvin Wetzstein, Sula, \$1800. Mark Plegan 11, 4/18/79 by SR Mark Arthur H517; L. Dyer and Sons to E.J. Grady, Canyon Creek, \$1700. BK King Arthur H3, 3/20/79 by SR Mark Arthur H517; Churashill Cattle Co., Manhattan, to Wetzstein, \$1650. Selkirk Plegan 5, 4/14/79 by Selkirk Captain 6151; L. Dyer and Sons to Lazene Ranch, Wolf Creek, \$1800. Box C1 Evan 604, 4/15/79 by EK C1 Evan Misch 288; Beckstrom to Merritt Ranch, Hot Springs, \$1600. And, RMR Ro Futur F3, 3/13/79 by RMR Beau Rolo D3; Rex Peirce, Ronan, to Tom Schaefer, Huxon, \$1600.

Prices fell here when compared to one and two years ago. However, this huge sale set an early, steady pace that did not vary much hour by hour. A lot of bulls sold at \$800 to \$1000 each. Some select bulls brought more, some lesser bulls sold down to \$700; a few bulls sold for less than \$700. However, there were not many of these, and they always carried little condition.

Cattle graze winter pastures, but supplements still needed

Although lack of snow cover has allowed many cattle herds to graze pastures for most of the current winter, it is probably necessary to provide additional feed supplements, says David Yates, University of Wyoming Extension ruminant nutrition specialist.

"Many old timers in Wyoming will tell you that cattle perform better under harsh conditions than they do in winters that are relatively mild," Yates said. "This situation is directly related to the type of feeding program the cattle are on."

During harsh winters, Yates says ranchers provide adequate diet supplements to maintain their herds. But when conditions are favorable,

while, ranchers have a tendency to let cattle graze pastures for long periods of time.

"It is important to take advantage of available forage and allow cattle to graze pastures in early winter," Yates said. "But there comes a time when ranchers should consider providing supplements."

He explains that cattle will select high quality forage when first placed on pastures. They will consume forage that may contain eight to nine percent protein and 60% energy, and this diet is adequate for cows in mid to late gestation.

But large numbers of cattle on one pasture will soon deplete supplies of high quality forage, and

that remaining may contain only about three to four percent protein and 40% energy.

"These nutritional levels are not adequate for cows in late gestation, and they should be provided with supplements of energy and protein as well as phosphorus, which is an important winter supplement under

Wyoming conditions," Yates said.

"These supplements will help the cows meet their nutritional requirements to insure successful calving and rebreeding seasons," Yates said. It is especially important to supplement yearling heifers and those that have calved for the first time.

COLORADO LIMOUSIN BREEDERS
Performance Tested Bull Sale, April 8
Winter Livestock Commission Co., La Junta, Colo.
Selling 125 Head of top Indexing Limousin bulls
For information, contact: Colorado Limousin Assn.
Pres. John Frazier, 303/858-7185 • 1858 M Road • Fruita, CO 81521

New Mexico Brahman Bull Sale
March 3 • 12:30 p.m.
Roswell Livestock Market
Roswell, N.M.

60
Two-Year-Old Bulls
All have been wintered in New Mexico and do not have to be re-tested

Lionel Chambers
Richard McRae
SALE MANAGERS
P.O. Box 100, SoHo, Texas 79555
714/887-2951

Grapes Land & Cattle Co., Inc.

JAY EM, WY 82219

22 miles north of Lingle, Wyo., on Hwy. 85. Turn west at Waggoner Hereford sign.

Production Sale RANGE BULL SALE Monday, March 9

at the ranch Jay Em, Wyoming

1:00 p.m.

Lunch 12 noon

Typical Sale Bulls



Selling:

- 5 Two-year-old Bulls
- 6 Senior Bull Calves
- 40 Head of Yearling Bulls
- 30 Head of Yearling Heifers

Attention Commercial Cattlemen:

If you are involved in crossbreeding, these Hereford bulls would be ideal. Don't overlook this offering.

Dams are all Waggoner Hereford bred, since Grapes Land & Cattle Co. is a division of Waggoner Herefords. This is an outstanding set of cattle, with performance records and surely showing the influence of Carpenter breeding.

Auctioneer: Stanley Stout



Typical Sale Bulls

For more information, contact: Grapes Land & Cattle Co., Inc.
Brett West (bulls) 307/532-7416
Leroy Grapes (owner) 307/532-4574
Craig Sandilan (cowherd) 307/532-3765
JAY EM, WYOMING 82219
22 miles north of Lingle, Wyo. on Hwy. 85. Turn west at Waggoner Hereford sign.

Auction Results

HAYNES HEREFORDS
Holyoke, Colo., Feb. 14

18½ bulls.....\$1,500

Auctioneer: Bob Schnell

Top: HH Madison Mark 8064, 3/27/79 by Madison Six, ¾ Int. to Kerbs Ranch, Saratoga, Wyo., \$4000. JCB Mark Domino 9586, 3/23/79 by BB Mark Domino 704, Tom Green, Padroni, \$2100. HH Madison Mark 9136, 3/20/80 by Madison Six, ¾ Int. to Kerbs Ranch, Saratoga, Wyo., \$1800. HH Madison Mark 9147, 3/27/79 by Madison Six, ¾ Int. to Kerbs Ranch, Saratoga, Wyo., \$1750. HH Big L1 Dom 9173, 4/18/79 by RH Big Northern 5020, Leonard Austin, Julesburg, \$1700. HH Madison Mark 9145, 3/28/79 by Madison Six, ¾ Int. to Kerbs Ranch, Saratoga, Wyo., \$1650. Madison Mark 9073, 3/5/79 by Madison Six, Clarence Smith, Yuma, \$1600.

A small crowd attended the fourth annual production sale of the Haynes family of Holyoke, held at the Livestock Exchange at Brush. The bulls were well-presented and in good condition. Bidding was good in bulls sold, but only about half the offering sold. Bob Roberts, Merino and Leonard, Harms, Neb. bought three bulls each. Demand was stronger on older calves, as only three of the junior calves sold.

BIG BLACK SELECT SALE
Bozeman, Mont., Feb. 7

53 bulls.....\$2,210
3 females.....1,217

Auctioneer: Bill Rehm
Sale Manager: Bill Rehm Sale Service

Bulls: Champion: Patriots Speculator 007, 2/17/80 by Sayre Patriot; Van Der Hagen Angus Ranch, Big Timber, to Mill Iron Angus Ranch, Barabara, Wyo., \$24,000. Sale included ¾ Int. Bar T Patriot Jack 912, 4/17/79 by Sayre Patriot; Van Der Hagen to Mountain View Angus Ranch, Columbia Falls, \$5000. Reserve Champion: Ken Garyl Extra 1889, 4/17/79 by Ken Garyl Ranch, Red Lodge, to Buyan Ranch, Sheridan, \$4000. Rocky Mountain

High, 4/6/79 by Ken Garyl Mr. Angus 8017; Ken Garyl Ranch to R.M. Ostrum Ranch Co., Flehail, \$3000. Taylors Leader 914, 2/1/79 by Mon Reposa Leader; Taylor Angus Ranch, Dillon, to Tom Kelberg, Big Timber, \$3000. Mayville Adventure 798, 3/12/79 by WAF Adventure 974; Mayville Farm, White Bear Lake, Minn., to Jim Foster, Willam, \$2500. Taylors Shoshone 910, 12/30/79 by Schearbrook Shoshone; Taylor Angus Ranch to Calvin Erb, Dillon, \$2500. And, Fabesau Lad 079 of HARB, 2/12/79 by Shoshone Fabesau TYB; Leo McDonnell, Jr., Joliet, to Arnold Brekke, Big Timber, \$2400.

Top female: TW Misty Adventure 73, 2/20/80 by Columbus Adventure 910; Twin Willow Ranch, St. Ignace, to Gold Block Angus, Boyd, \$1600. This sale created some real excitement in the 1981 year here at Bozeman, Mont. The top-selling bull was a record for this event, and all bulls sold well. The big two-year-olds all brought in the \$2000 to \$2500 range. Big, strong yearlings brought mostly from \$1200 to \$2000 each. There was a large crowd on hand and ranchers bid like they wanted to own these cattle.

—RALPH HEINEMANN

J.C. BIEBER AND SONS
Onida, S.D., Feb. 9

39 bull calves.....\$2,177
24 coming two-year-olds.....1,576
83 bulls.....1,948

Auctioneer: Pat Goggin

Bulls: K&B Incred Hulk 0686, 3/28/80 by S Titan 7134; Don Gotthardt, Kirk, Colo., \$5250. BH 439 Domino A48, 3/13/80 by CH Domino 438; Laron Goldsbury, Trotter, N.D., \$4500. K&B Incred Hulk 0632, 3/10/80 by S Titan 7134; Knippling Bros., Gann Valley, \$3800. K&B Advancer, 3/6/80 by SH Advancer 565; Dennis Schook, Ashley, \$3500. K&B Advancer, 3/6/80 by K&B Advancer; Guade Bros., Corona, \$3400. K&B Incred Hulk 0653, 3/15/80 by S Titan 7134; Wayne David, Henry, \$3250. K&B Incred Hulk 0660, 3/18/80 by S Titan 7134; Kermit Hereford Ranch, Wallawa, Ore., \$3000.

Special Stout Cow Sale
for /LD Ranch
of Villa Grove, Colorado.

Complete Dispersal
of **1500 HEAD**
1 p.m.

Wednesday, March 4
La Junta, Colorado

200 Whiteface 2-year-old Heifers bred to Angus and Hereford bulls

800 Whiteface and Black Whiteface cows, 3-years-old, bred to Hereford and Charolais bulls

400 Whiteface and Black Whiteface cows, 4 to 6-years-old, bred to Hereford and Charolais bulls

100 Whiteface and Black Whiteface cows 7 to 8-years-old, bred to Hereford and Charolais bulls

All cows will be mouthed for age, pregnancy and Bangs tested by Dr. Nelson, prior to the sale, March 4.

For more information, contact:
La Junta Livestock Commission Co.
Les Honey • 303/384-7781 • 303/384-2093 home

—JAY PURCHASE

Bulls: Bee's Black Maglo JB 69L, 4/6/79 by Goldenview Harvester 185H; Steve Zybach, Briscoe, Texas, \$6700. Bee's Mr. Harvester JB 56L, 3/17/79 by Goldenview Harvester 185H; OX & W. Huron, S.D., \$3200. Pure Black Fantaron 136K, 4/3/78 by Pharon; Curly and Jerry Nelson, Arcadia, \$3200. Bee's Mr. Harvester JB 56L, 3/29/79 by Goldenview Harvester 185H; John Deaver, Jr. & Sons, Culbertson, \$2150. Bee's Mr. Symbras 14M, 3/23/80 by Mr. Symbras 185K; John Orr, Lawellen, \$2150.

Females: Miss Dottie Bee 21M, 4/18/80 by Goldenview Harvester 185H; Raymond Blended, Brady, \$2075. Miss Dottie Bee 3M, 3/8/80 by Mr. Symbras 185K; \$2025. Miss Dottie Bee JB 50L, 2/7/79 by Goldenview Harvester 185H; Richard Witte, Gothenburg, \$1550.

A good crowd was on hand to appraise this fine offering of Limousin. The cattle were presented in working condition and ready to go to work. Pae Wee Fleese, Sutherland, was the volume bull buyer, and Richard Witte bought a large portion of the female offering. Cattle went into six states on this good, snappy auction.

—JAY PURCHASE

Administrative bumbles, abuse cause alcohol fuel loan freeze

(Continued from page 1)
no explicit evidence of pressure on FMHA administrators by the Carter administration, it said, "... the expedited national office reviews of and concurrence with these loan guarantees in late September and early October were, in part, for the purpose of meeting an Oct. 10 deadline for a news release by the secretary (Bergland) concerning approval of the 15 alcohol fuel projects."

Bergland's office Oct. 10 announced the guarantees, which were used essentially as collateral for lenders

involved with the projects. The audit said the unwillingness of most lenders to finance projects without the government's maximum allowable guarantee of 90% of project costs underscored the high risk of the projects.

Thus, the OIG concluded, the government was shouldering an undue financial risk for the research and development projects in violation of FMHA guidelines.

The OIG said feasibility studies were flawed severely by several deficiencies that were not addressed

before loan guarantee approval, the report said: • Studies were too general and lacked specifics concerning key production processes. Four studies prepared by the same firm appeared to be standardized reviews.

• Critical questions like quality and quantity of available water, pollution controls, storage capacities, source and availability of fuel and feedstocks were covered inadequately or not at all.

• Firm commitments from feedstock suppliers,

fuel sources, product buyers or distributors "were not obtained."

• Feedstock prices used for cost estimates were below latest market quotations.

• Alcohol yields were calculated close to or higher than the maximum efficiency obtained in lab tests, which are higher than industrial results.

• Investment per gallon of production varied from \$1.09 to \$3.30 for similar processes.

ROOF COATINGS
Old roofs of composition shingles and old cedar shingles can be extended many years. Anyone can apply by brush. M.A. BLACK is a mineral asphalt that dries in 30 minutes. Being thin, it penetrates the cracks and can, by itself, stop most leaks. Not a tar. T.M. WHITE is a white coating developed especially to be brushed over the old roof. Either may be used without the other. Best recommendation is that the M.A. BLACK be applied, then two coats of T.M. WHITE. This very permanent repair at a cost of less than a new roof. The white surface contributes much to cooling in summer. This is our 31st year. Write for our catalog. We ship same day order is received.

VIRDEN PERMA-BILT
2821 Mays Ave. Box 7160 WJ
Amarillo, Texas 79109
806/352-2761

• Design plans omitted site selection, cost, and the cost and availability of necessary transportation.

• Impact of increased demand for feed grain was not evaluated. The 15 plants would consume about 96

million bushels of grain annually. • Five of the 12 engineering firms that prepared the feasibility studies were inexperienced in designing or building alcohol fuel plants.

REMEMBER...

an old friend, a new name

Stockman's National Supply

Formerly
BERNSTEIN BROTHERS, Inc.

We are one of the nation's largest farm and ranch equipment suppliers... our commitment to you is SERVICE.

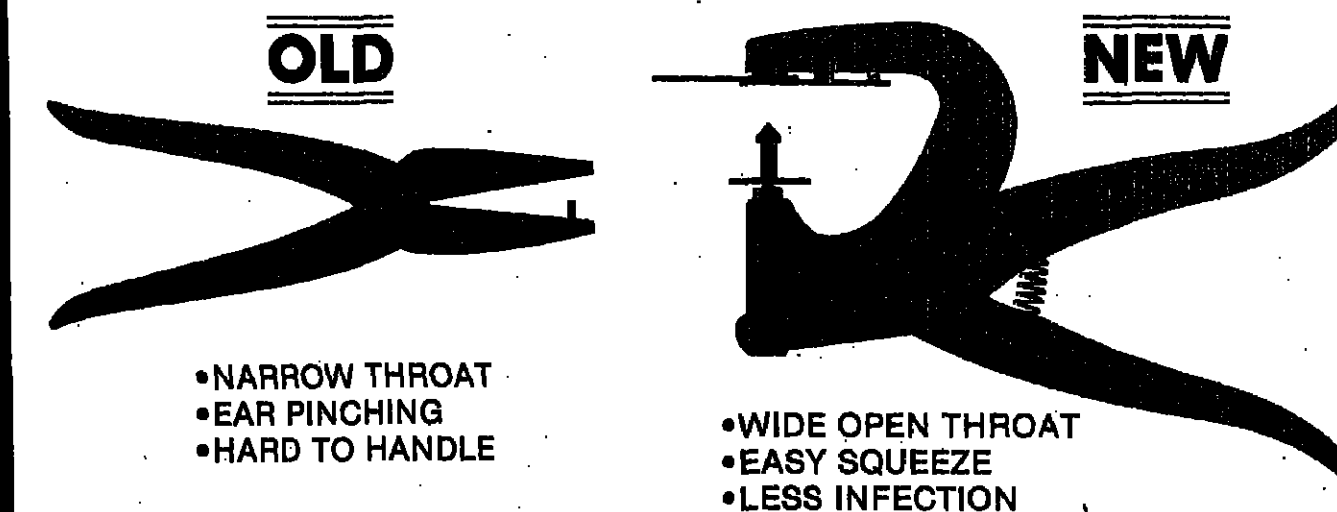
Send for our FREE, 1981 Farm and Ranch Catalog. Full color. 132 pages. Quality at low prices.

P.O. Box 917 • Pueblo, Colo. 81002

EAR TAG USERS—SUMMER SPECIAL

Trade in your old ear pinching applicator

Get a new, wide-open ear tag applicator for 2-piece tags — the **TAGGER** from Y-Tex.



• NARROW THROAT
• EAR PINCHING
• HARD TO HANDLE

• WIDE OPEN THROAT
• EASY SQUEEZE
• LESS INFECTION

Why this summer special?

There are many old-style applicators still being used—both ours and our competitor's. We want to get them thrown away so that everyone can experience how easy tagging can be. We expect the new applicator design to sell more of our 2-piece All American Super Star ear tags. That's why we want the new design in everyone's hands. (Although our new design will also work with our competitor's 2-piece tags if you still have some of them lying around.)

SAVE \$7.95
A new, open throat applicator is only \$10 this summer. Save \$7.95 off the regular price of \$17.95 when you trade in your old applicator that you use for 2 piece tags. Offer expires Sept. 30, 1980.

LIMITED OFFER ONLY \$10

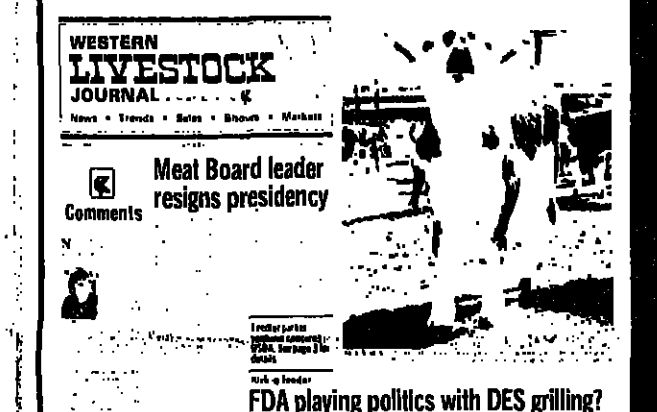
How to trade in your old-style ear-pinching applicator. Send your old applicator, along with \$10 to:

Attn: Dee Cozzens
Y-Tex Corporation
1825 Big Horn Road
Cody, Wyoming 82414

We'll have your new TAGGER in the mail within 48 hours.

If at any time, for any reason you are not satisfied with the new TAGGER, return it to us and we'll return your \$10 and a narrow throat applicator.

Y-TEX Corporation
1825 Big Horn Road, Cody, Wyoming 82414 • (307) 587-5515



THIS MIGHT BE THE BEST TWO-BITS YOU'LL EVER SPEND!

Right! For just over 25 cents per week you can stay informed on the latest in market trends, industry news and auction reports. Subscribe TODAY to WESTERN LIVESTOCK JOURNAL.

Subscribe for 3 years . . . Save \$16.50!

Fill out this coupon and mail to:
WLJ, P.O. Drawer 177, Denver, CO 80217

Please check: ☐ 3 years . . . \$33.00
☐ 2 years . . . \$26.00
☐ 1 year . . . \$16.50

☐ I would also like to receive the monthly LIVESTOCK Magazine FREE (to cattle producers who qualify)

Name _____
Address _____
Town _____ State _____ Zip _____

☐ New subscriber ☐ Renewal
☐ Check enclosed ☐ Please bill me
☐ Please charge: ☐ Visa ☐ Master Charge

Card # _____
Expiration Date _____
Card Holder's Signature _____

the HAAS

ANGUS BULL SALE

Wed., March 4, 1981

Stockman Livestock Auction

Free Delivery on five or more bulls to central locations within 300 miles of Torrington

CALL OR WRITE FOR YOUR CATALOG TODAY

AUCTIONEER:
Jim Baldrige
NORTH PLATTE, NE

77 Angus Bulls
49 Yearlings
28 Two-Year Olds

13 Males Angus
Yearlings
sired by:
—Cula
—Epilasi

Lot 79
Sire: Epilasi
1/4 Marino 1/2 Angus 2/11/80
Weaning wt. 800 lbs. Adj. Yearling Wt. 1024 lbs.
A correct bull calf that will put pounds on those calves at weaning

Lot 13
Two-Year-Old 3/14/79
Sire: Marshall Pidge 145
Dam: Rolling Rock a 1500 lb cow
Jan. 1 wt. 1700 lbs. Another herd bull prospect.
Could weigh over 1800 lbs. by his second calving day. If you are looking for weight and eye appeal, this bull could be the answer

Lot 26
Sire: "Ora"
Dam: Rolling Rock
Adj. weaning wt. 695 lbs. ratio 117. Adj. yearling wt. 1046 lbs. ratio 109. A long stylish calf.

Lot 72
Sire: Haas High Rise
Grandson of Ora
205 day wt. 563 lbs. ratio 92. Adj. 365 day wt. 978 lbs. A long, lean, classy calf.

Lot 80
Sire: Dakota Poundmaker 1888
Dam: "Bandy" breeding
Adj. weaning wt. 531 lbs. ratio 104. Adj. yearling wt. 922 lbs. ratio 98. A calf with lots of growth and eye appeal.

Lot 8
Sire: Marshall Pidge 145
Dam: Rolling Rock
Part. 1 wt. 1660 lbs. A herd bull prospect. He is structurally correct, very well muscled, lots of eye appeal.

HAAS FARMS, INC.
HUBERT
(307) 587-5515 (307) 587-5516
VETERAN, WY 82445

BILL & DANA HAAS
HUBERT
(307) 587-5515 (307) 587-5516
VETERAN, WY 82445

PAT & MARILYN HERRING
HUBERT
(307) 587-5515 (307) 587-5516
VETERAN, WY 82445

KEN & CHARLENE HAAS
HUBERT
(307) 587-5515 (307) 587-5516
VETERAN, WY 82445

Auction Results

NEBRASKA ANGUS ASSN. FUTURITY
Grand Island, Neb., Feb. 2

38 bulls \$2,875
24 females 1,615
80 lots 2,268

Auctioneer: Jim Baldrige
Sale Manager: Miles Grosse
Secretary of the Nebraska Angus Assn.

Bulls: Cracker Jack Barrel SA2019, 8/21/79 by Loma Lanes Cracker Jack 121; Slagle Angus, Sergeant, to Sunnyview Farms, Holdridge, \$10,600. Windac Extender 0888, 2/11/80 by Columbus Adventure 2057; Windy Acres Angus, Harrison, to Gary's Angus Farm, Tama, Iowa, \$8100. OLC Mr. Angus 6980M, 2/10/80 by Ken Caryl Mr Angus 6017; Quirk Land and Cattle Co., Hastings, to Triple K Angus, Warren, Neb., \$9000. BR Mr Inheritance 944, 3/10/79 by Ken Caryl Mr Angus 6017; Rhel Angus, North Platte, to Rudolph Bros., Chiswick, Mont., \$6500. Windac Warrant 8408, 4/17/80 by Sir Wms Warrant; Brian Filzgerald, Harrison, to Leavitt Lane Angus Farm, Ames, \$4700.

Females: Black Cap Bess HK 6900, 5/5/79 by Ankonian Dynamo 61A8; Huckfeldt-Krebs, Gordon, to Ren Sabada, Bellwood, and Kenneth Glaubius, Beemer, \$7500. K & K Anita 0271, 2/10/80 by Sir Wms Warrant; K & K Anita Co., Kearney, to 275 Angus Westpoint, \$4000. Weers Marshall Erica 0307, 4/14/80 by Sir Wms Warrant; Weers Angus Farm, Diller, to 275 Angus, \$3500. JK Beulah 218, 4/10/80 by OLC Recruit; Jim King, Carney, Neb., to Gestring Farms, Inc., Bluehill, \$3000.

A big crowd was on hand for the Nebraska Futurity in spite of the snowy and ice-covered roads. Andy McCurry of Burton, Kan., was the judge of this event.

Slagle Angus, Sergeant, exhibited the grand champion bull, a son of Loma Lanes Cracker Jack 121, to top the sale at \$10,600. Reserve grand champion bull went to Rhel Angus, North Platte, to son of Ken Caryl Mr. Angus 6017. Huckfeldt-Krebs, Gordon, had the grand champion female with a daughter of

Ankonian Dynamo 51A8, and a Sir Wms Warrant heifer shown by Weers Angus Farms was reserve grand champion female. —JAY PURCHASE

BLACK HILLS STOCK SHOW RED CARPET LIMOUSIN
Rapid City, S.D., Feb. 6

22 coming 2-year-old bulls \$2,653
28 young bulls 1,775
1 bred purebred heifer 8,100
4 open purebred heifers 1,594
1 bred 1/2 heifer 1,500
3 open 1/2 heifers 1,750
51 lots 2,262

Auctioneer: C.K. "Sonny" Booth
Sale Manager: Cattle Brokers, Inc.

Top: King Wolfe 543L, 8/12/79 by Goldenview Herdries 204, Leonard Wolf and Sons, Morris, Minn., to Doug Hodgkins, Mud Butte, \$4200. Mr. Symbros 151L, 4/5/79 by SY Adventure CFM 752; Symbros Bros., Amherst, to Wells Limousin, Bison, \$4100. RGER Barriera Bull 280M, 3/8/80 by Hy-Crest Halls, Minn., to Roger Potter, Red Falls, Minn., to Ox & W, Huron, \$4000. ADSR Steans 0X820M, 3/25/80 by Edmund C1 M 58; Allen Steinhilber, Hitchcock, to Dr. Lowell Swisher, Kadoka, \$3600. Mr. Symbros 95L, 3/22/79 by Mr. Symbros CFM 328; Symbros Bros., to Vernon Snow and Edgar Dunn, Hot Springs, \$2200. Lookout Compuncher 195L, 4/23/79 by Espoir; Lookout Limousin, Timber Lake, to Sorrel Horse Ranch, Veltonka, \$3150.

Females: SU Prospector 355EL, 4/12/79 by SY Prospector; James Sullivan, Onida, to Feather Ranch, Belle Fourche, \$8100. SV Miss Shadow 22M, 4/29/80 by KDS Basu Gaster 16J; Schultz Farms, Batesland, to Feather Ranch, \$2000. Circle Clerice 06M, 4/11/80 by Circle Garcom; Wells Limousin Ranch, to Lee Traub, Bear Creek, Mont., \$2000.

The Red Carpet sale drew an extremely large crowd at the 1981 Black Hills Stock Show. This year's sale was held in the theater at the Rushmore Plaza Civic Center. The large crowd was appreciative of this quality offering and paid good prices for their purchases, making for a good, snappy auction. —JAY PURCHASE

THE SOUTHWEST BULL CLASSIC

Friday March 13 1:30 P.M.
TUCSON
Pima County Fairgrounds

100 Head • 10 Breeds

95% of Serviceable Age
Sifted, Graded, Guaranteed

Plan The Decade Of The 80's
With Abundant:

**BULL POWER
GENETIC POWER
EARNING POWER**

From 36 Breeders In 5 States

This Sale Is An Annual Feature Of The
SAILA Livestock Show—March 12-15
Lee Pitts for WLJ

For Catalog or Information Contact

The Southwest Bull Classic

80 South Stone
Tucson, Arizona 85701
602/792-1080

CONSIGNORS:

ANGUS: 12

E.J. Brown, Mesa
Star J Ranch, Tucson
Yvette Ostreich, Benson
University of Arizona, Tucson

BRAHMAN: 33

Mr. & Mrs. Wm. H. Cowan, Animes, N.M.
F.D. Connell, Thornton, Tx.
J.D. Hudgins, Hungerford, Tx.
Pratt Farms, Maricopa
Runnolls-Piorco Ranch, Bay City, Tx.
Santa Elena Ranch, Madisonville, Tx.
Seaborg Ranch, Wharton, Tx.
V8 Ranch, Hungerford, Tx.

BRANGUS: 19

Diamond A Cattle Co., Roswell, N.M.
Jess C. Larsen, Safford
Garth S. Lunt, Pima
Robbe Brothers, Willcox
University of Arizona, Tucson

CHAROLAIS: 3

Org Blanco Ranch, Nogales

HEREFORDS: 17

4 Star Cattle Co., Elroy
Hooper Hereford Ranch, Springville
I V Bar Ranch, Douglas
Pruett-Wray Cattle Co., Phoenix
Triple H Herefords, Elroy
University of Arizona, Tucson

LIMOUSIN: 1

Kings River Limousin Ranch, Sanger, Cal.

SANTA GERTRUDIS: 3

Mr. & Mrs. Garvin Tankersley, Williams
Campbell, Holly, \$1000
DR Victor H433 M190, 4/3/79 by OR Victor H134 H433; Gene Sherwood, Bristol, \$1000

SIMMENTAL: 8

Gand H Simmental Cattle Co., Helena
Burkett's Valley Vards, Roswell, N.M.
A Lazy T Simmental, Palatonia

SHORTHORNS: 3

Elavens Ranch, Vermoj

TEXAS LONGHORN: 4

Diamond A Cattle Co., Roswell
A.J. Jernigan, Safford

Auction Results

DUVALL RANCHES
Granada, Colo., Feb. 14

34 bulls \$970
17 comm. bulls 892
25 open heifers 760

Auctioneer: Jim Birdwell

Bulls: Tag 264, comm bull; Pote Bazona, Syracuse, Kan., \$1275. DR Victor H433 M201, 4/9/79 by OR Victor H134 H433; Don Higbee, Carleton, \$1185. DR Victor U325 M23, 2/27/79 by OR Victor D F18 U325; Harold Henry, Towner, \$1175. DR Victor 229 M57, 2/11/79 by EDR Victor 912 229; Burke Farm, Wiley, \$1150. DR Victor H433 M142, 3/12/79 by OR Victor H134 H433; Jim Grillo, Syracuse, Kan., \$1100. DR Victor 229 M218, 4/14/79 by EDR Victor 912 229; Spade Ranch, Tucuman, N.M., \$1100. DR Victor 229 M315, 10/8/79 by EDR Victor 912 229; Ralph Wilson and Son, Bristol, \$1050. DR Victor 229 M184, 4/2/79 by EDR Victor 912 229; Darrell Shellenbarger, Wild Horse, \$1050. DR Victor H433 M133, 3/14/79 by OR Victor H134 H433; Grillo, \$1025. OR Victor 229 M46, 2/9/79 by EDR Victor 912 229; Leo Pollard, Holly, \$1000. DR Dom F310 M75, 2/18/79 by CR Dom 549 F310; Vickie Cole, Syracuse, \$1000. DR Victor 229 M65, 2/22/79 by EDR Victor 912 229; George Shepherd, Center, \$1000. DR Victor H14 M130, 3/14/79 by OR Victor H14 M130; Lance Verhoff, McClave, \$1000. DR Victor H433 M147, 3/14/79 by OR Victor N 134 H433; Wesley Campbell, Holly, \$1000. DR Victor H433 M190, 4/3/79 by OR Victor H134 H433; Gene Sherwood, Bristol, \$1000

Heifers: Dr. Miss 229 M192, 4/3/79 by EDR Victor 912 229; Ray Schaler, Syracuse, \$1200. DR Miss M31, 2/5/79 by EDR Victor 912 229; Schaler, \$1125. DR Miss H433 M140, 3/12/79 by OR Victor H134 H433; Dennis Farrah, Lamar, \$950. DR Miss H188 M284, 5/11/79 by DR 229 Victor H188; Marty Overholt, Clearington, Ohio, \$925. DR Miss H188 M301, 5/14/79 by DR 229 Victor H188; Stuart's Polled Herefords, Rocky Ford, \$900. DR Miss 229 M195, 4/14/79 by EDR Victor 912 229; Jody Green, Bristol, \$900.

This sale drew the attention of a large number of commercial cattlemen from this trade area, and the barn at the Lamar Livestock Comm. Co. was filled to near capacity. The Duvall Polled Hereford bulls have a reputation for being rancher cattle raised by ranchers, and this year's offering was a typical example. The bulls were not highly fitted or conditioned, but rather were presented in their working clothes. They sold for modest prices, and undoubtedly the buyers will like the returns they receive from their bull buying dollars at this sale. Although no volume buyer materialized, the bulls sold to a large number of commercial cattlemen from throughout Colorado, Kansas and New Mexico. —JERRY YORK

FELTON ANGUS RANCH
Big Timber, Mont., Feb. 14

68 bulls \$1,486
30 yearling bulls 1,171
24 registered females 1,002
10 commercial females 805

Auctioneer: Pat Guggins

Bulls: FAR Viking 5099, 3/14/79 by Shoshone Viking GD80; Laurence Grosfield, Big Timber, \$2750. FAR Viking 5169, 3/13/79 by Shoshone Viking GD80; Popone Ranch, Winifred, \$2700. FAR Viking 5149, 3/8/79 by Shoshone Viking GD80; B Bar Ranch, Emigrant, \$2600. FAR Memo 8129, 5/13/79 by Leonhardt Memo E540; 3 Bar Ranch, Buffalo, \$2600. FAR Shoshone 2299, 3/12/79 by Nelson Shoshone 608; Popone Ranch, \$2500. FAR Memo 8289, 4/25/79 by Leonhardt Memo E540; 3 Bar Ranch, \$2300. FAR Shoshone 2422, 3/15/79 by Nelson Shoshone 608; Larry McCauley, Three Forks, \$2100. FAR Rito 36 3469, 3/7/79 by Rito 209 of Ideal 2216; Bill Pruett, McLeod, \$2100. FAR Revolution 9149, 3/4/79 by MSU Black Revolution 317; R.M. Oates, Ranch Co., Fishkill, \$2100. FAR Memo 8229, 4/17/79 by Leonhardt Memo E540; Motture Brothers, Havre, \$2000. FAR Memo 8319, 6/5/79 by Leonhardt Memo E540; Jerry Markstetter, Mayville, \$2000. And, FAR Memo 8339, 5/14/79 by Leonhardt Memo E540; 3 Bar Ranch, \$2000.

Yearling bulls: FAR Viking 5410, 3/8/80 by Shoshone Viking

GD60, Ed Wylie, Hardin, \$2000. FAR 36 Rito 3660, 3/31/80 by Rito 209 of Ideal 2216; Popone, \$1500. FAR Viking PJM 4020, 3/8/80 by Viking 118 PJM; Cyle McCafferty, Custer, \$1500. And, FAR 105 Band 6090, 2/23/80 by Band 234 of Ideal 3163; Schulz Angus Ranch, Sheridan, \$1500.

Females: Elevator 3905 of FAR, 3/2/79 by FAR Elevator G152; McHabb Angus Ranch, Bozeman, \$1300. Memo 7837 FAR, 3/10/79 by Leonhardt Memo E540, Sweeting Ranch, Lewiston, \$1150. Thunderbird 128 FAR, 3/11/79 by JAF Thunderbird 707; Wylie, \$1150. Thunderbird 2740 FAR, 2/20/79 by KAF Thunderbird 707; Steve Mitchell, Judith Gap, \$1100. And, Asbury 6907 FAR, 3/9/79 by Green Valley Asbury 50th; Bar Double J Ranch, Livingston, \$1100.

The Ray Fennell family enjoyed a good sale, however, it was not on a par with one year ago. These cattle carried some flesh, but they were not fat in any sense of the word. They were just good, strong, steady, ranch-raised cattle, and they found a steady market among ranchers on the whole. They are generally approaching this market with more and more caution these days. —RALPH HEINEMANN

BIG SKY CLASSIC HEREFORDS
Bozeman, Mont., Feb. 6

53 bulls \$2,320

Auctioneer: Bill Latty

Sale Manager: Dr. John Smith
Bulls: 3J Adv Prince 8039, 3/22/79 by CH Domino 560; Jensen Bros., Circle, to Hollow Top Ranch, Poncha, \$6780. JF Brilisher Lad 918, 1/20/79 by Standard Domino 180; Feddes Herefords, Manhattan, to Ren Herefords, Bowman, N.D., and Chris Roen, Bowman, N.D., \$6000. HH Advance A800; Venhuizen Herefords, Manhattan, to Harry Brainerd, Manhattan, \$5500. FH 8558 Domino 020, 1/18/80 by The Red Fox; Feddes Herefords to Nesbitt Land & Cattle, Three Forks, \$5000. LH 4662 Mark 981, 3/20/79 by LH Weimere 4592; Landers Herefords, Wilsall, to Hollow Top Ranch, \$4600. RE Advance 948, 6/25/79 by HH Advance A888; Richard Ewing, Power, to Bobby Wood, Groom, Texas, \$4500. BJ L1 Domino 908, 4/21/79 by L1 Domino 72280; McDonnell Herefords, Billings, to Bayers Hereford Ranch, Twin Bridges, \$4500. L3 Four Sevens 3, 1/22/79 by S Titan 7777; Largent & Sons, Wilsall, to Glennie Ranches, Two Dot, \$3500. IH Mr. Superb, 1/30/79 by DH 66 Misch K212; Isbell Herefords, Wilsall, to Henry Guhl, Wilsall, \$3500. L3 Titan, 3/2/79 by Titan 23D; Largent and Sons to Glennie Ranches, \$3300. MJB Advance 838, 3/5/79 by CH Domino 660; McDonnell Herefords, to Hollow Top Ranch, \$3200. Reserve champion: FH Domino 999, 10/12/79 by HH Advance A770; Feddes to Cloyd Lee, Idaho Falls, Idaho, \$3000. Champion: M8 5130 Classic 957, 4/3/79 by 3J Montana Dom 5139; Matt Strommen, Saco, to Bud Pyle, Big Timber, \$2800.

This was a fast, active sale; a really nice selling event. The rancher trade was as strong as it has ever been at this sale. Cattlemen purchased most of the top-selling cattle at strong prices; and this allowed the sale to move rapidly. It was all over in less than two hours selling time. —RALPH HEINEMANN

Congress studies price aid structure
The top agricultural issue in Congress in the next few months will be "the whole agricultural support structure," said Wayne Boutwell, agriculture specialist for U.S. Sen. Thad Cockran, R-Miss.

Boutwell told CNS in an interview that hearings on the proposed changes in the farm bill will start in March. Target prices and the loan rate structure will be focused on, he said. If target prices were eliminated, loan rates would have to be raised. Boutwell said, adding that "target prices have never been at an effective level, but the loan rate has been used extensively as a marketing tool."

BULLS, BULLS, BULLS Big, Stout Canadian Bulls

Riverton, Wyoming
March 6, 1981 1 p.m. at the
Riverton Livestock Auction

Selling 70 Hereford Bulls

Coming two-year-olds sired by top-plus bulls:

Dermot Zento 8
WJ Standard Lad 726
EC Superior Lad J41

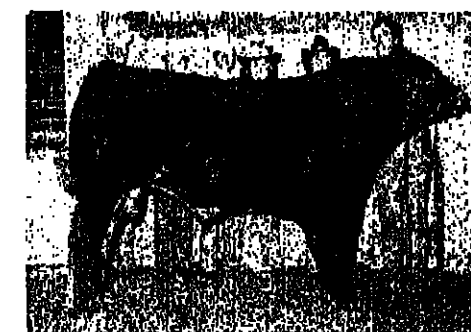
My cow herd was started mostly with Lester Thompson cattle of Bozeman, Montana and Eaton Becker cattle, one of the oldest performance-tested herds in Montana. He started testing 40 years ago. Some of the last Becker cows we bought are still in our herd. There also is a lot of Golden Superior blood in the sale cattle. Golden Superior was a certified meat sire, owned and tested by Pled Piper Farm of Texas. These Canadian bulls have made a real good cross on our Anxley 4th cows. If you want some good, uniform cattle with plenty of length, be at Riverton, March 6. Cattle can be seen at Pavilion, Wyoming.

Edgar Cripps & Sons

Ken 307/856-7360 • Pavilion, Wyoming
Edgar 406/246-3292 • Dixon, Montana
Bill 406/428-2147 • Lewiston, Montana

SYMENS BROTHERS

1st
**Limousin
Production Sale**
MONDAY, MARCH 9, 1981 1 P.M.
At the farm, located 1 mile south of Amherst, South Dakota



One of the many featured bulls in the Symens Brothers' 1st Limousin Production Sale. This bull has been popular on the show circuit, being named the grand champion of the 1980 South Dakota State fair and reserve at American Royal.

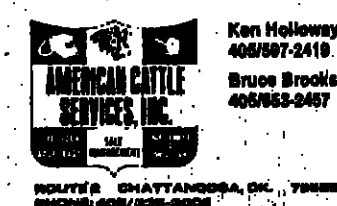


This young, outstanding Limousin bull is one of the many bulls featured in the Symens Brothers' 1st Limousin Production Sale. This bull has been popular on the show circuit, being named the grand champion of the 1980 South Dakota State fair and reserve at American Royal.

SELLING 108 REGISTERED LOTS

88 Bulls... Yearlings, 18-month-olds and two-year-olds
14 Fullblood Bulls
29 Purebreds... Including 5 blacks, 1 black & polled and 2 red, polled bulls
45 Percentage Bulls
20 Females
6 Open Fullblood Females... all transplant prospects
12 Open Purebred Females... many are show prospects
2 Open 75% Females

The Symens Brothers have developed a well-earned reputation for breeding functional solid performing cattle that have the style and balance to satisfy the most discriminating cattlemen. Cattle wearing the SY brand are working in both purebred and commercial herds across the country and have been grand champions at numerous livestock shows. Whether you're in need of big, stout herd bulls or replacement females, plan to be on hand March 9 and pick from a highly select offering.



SALE CONSULTANTS
Ken Holloway
408/507-2418
Bruce Brooks
405/553-2457



For More Information SYMENS BROTHERS

Amherst, South Dakota 57421
John 605/448-5725 605/448-5775
Office Phone: 605/448-2624
Irwin Herman
605/448-2596 605/448-5506

80 Big, Rugged Bulls

STEP UP
To Consistent
Genetic Improvement



Shoshone Jarvis 613. Weaning Index 135, Yearling Index 119. Weight at 3 years of age, 2100 lbs. This is an extremely large framed son of Shearbrook Shoshone, the most performance proven bull in North America.



A top son of Marshal Jarvis 521. Birth weight 80 lbs., Weaning Index 110, Gain Index 122, Yearling Index 116.



Monday,
MARCH 2nd
AT THE RANCH
Henry, Nebraska

The Cowman's Measuring Stick!
Many top cattlemen using Hildebrand bulls tell us their records show that calves sired by Hildebrand bulls usually outweigh all other calves. The higher price per pound plus the extra weight means these bulls didn't really cost any thing—they paid for themselves!

HILDEBRAND

Phone: 307-785-1486
Sale Day Only 308-787-1475

ANGUS

TWO MILES SOUTH OF
HENRY, NEBRASKA
7 MI. EAST OF
TORRINGTON, WYOMING

INTERMOUNTAIN
Farms and Ranches 13

180 HEAD RANCH
Located near Burley, Idaho. Excellent 2-story, solid brick home and other improvements. Assumable low interest loans to qualified buyers. Call for complete details

SOUTHERN IDAHO REALTY
208/878-1116
Burley, Idaho
David B. Baker, Broker

208/878-2840
Boyd R. Poulton
Assoc. Broker
208/878-0910

AND HAY RANCH
RES. ABUNDANT WATER. Year
OVER 4,000 GPM, Inexpensive
PUMPERS, 2 pivots. 300 acres
in ditches. 2, MODERN HOMES,
1. New, completely EQUIPPED
10 FIELDS, new CORRALS, all

**plus PERMANENT PASTURE.
shade TREES. This MODERN
UPBRED cattle, horses, 3,000
Y. Adjacent 640 acres with well
N. Price: \$985,000, INCLUDING
cash. 8 1/2 % loan.**

RE REALTY CO.
Ranch Broker/Owner
Reno, NV 89515
740 or 2137381-5259

MOUNTAIN
Farms and Ranches **13**

NORTHWEST MONTANA
ranch: 600 cow unit, deeded acreage plus adjacent grazing permits. Ranch house, foreman house, barn, loading sheds, machine shop, haysheds, water rights. Beautiful valley. Minutes from state highway on county road. Call or write: Louise Monk, Tri-City Real Estate, 38 Lesalle Rd., Kellsapell, MT 59901. 406/257-7777 or 406/257-1815.

WESTERN COLORADO

acres and 27,000 acres public land. 189 irrigated acres with good water right. 126 head BLM and forest permit. Excellent climate and improvements.

Residences or other farm and ranch
303/243-0877.

HEAD REALTY
d Junction, CO B1801
303/243-6100

**Really Work . . .
Work For You!**

RANCH AND FARM

F RANCH/FARM
d. Same qualifications as above.
elcome
INC.
and, WY 82201
7/322-4771

g home 7 years old, new shop,
feeding pens and 2 sets working
te water rights from river, 2 reser-
volder trade for combination wheat
is better operating ranches, well
owner for 27 years.

REALTY
apall, MT 59901
81765-7631

Dog gone -

when you sell your dogs through
WJ's Classified Corral.

**SPECTACULAR
MOUNTAIN VALLEY RANCH**

Adjoining permits make this a
"horses back ranch"
handling 900 to 1,000 cowhuff
or owner would consider partial
sale. Lively mountain stream
running length of ranch, furnish-
es abundant water and excellent
fishing.

CALL: 303/852-2988
or Write:
RANCH REALTY
2292 S. Hwy. 15
Monte Vista, CO 81444

50 ACRES: Scenic beauty and meadow pasture irrigated hayland. sprinkler lines, 50' included. This is a \$74,500, easy terms.

\$74,500: Approximate acres irrigated, 100 part alfalfa, part pasture. 480 acres dry. Spring fed lake with bow trout. Paved frontage. Some good ground for winter sheltered calving and older, 4 bedroom buildings and corn barn. Good terms.

HOLMAN REALTY
4729 S. 5th St.
Bismuth Falls, Or.

Low interest rates too—about 9%. Call: 800/858-4474, anytime.

FRANK MCCLERNAN, Many Ranches

WLJ—The leading All-Breed Publication in the West!

**READY TO BUY OR SELL
AGRICULTURAL PROPERTY?
CALL ON WESTERN FARM!**

If you're buying or selling agricultural property, it makes sense to have the listings, the buyers and the office network to give you fast and accurate results.

If you need other agricultural services—appraisals, long-term loan or farm management, call on Western Farm!

We now have 60 branch offices throughout the west and midwest serving agriculture. We'd like to share that experience with you.

So, if you're a National Western visitor, call on Western Farm! We're here in Denver and we would love to have some company.

Anytime you need professional agricultural service, call on Western Farm!

WESTERN FARM
Stapleton Plaza Office
3333 Quebec Street
Denver, Colorado 80202
PHONE: 303/368-1111

blocked, efficient to operate. Same owner for 27 years.

VALLEY REALTY
P.O. Box 886, Kellsipell, MT 59901
PHONE: 408/765-7831

Dog-gone...
when you sell your dogs through
WLF's-Classified Corral.

**SPECTACULAR
MOUNTAIN VALLEY RANCH**
Adjoining permits make this a
"horse back ranch"
handling 900 to 1,000 cow/half
or owner would consider partial
sale. Lively mountain stream
running length of ranch, furnish-
ing abundant water and excellent
fishing.

CALL: 303/852-2988
or 1/812:
RANCH REALTY
2292 S. Hwy. 15
Monte Vista, CO 81144

MOUNTAIN Farms and Ranches 13

UNIQUE
Energy-free, combination cattle and sheep ranch net in the most beautiful mountain valley imaginable. For some one looking for a really big operation with the potential for even greater development you must see to believe this ranch.

CALL: 303/852-2988

or Write:
RANCH REALTY
2292 S. Hwy. 15
Monte Vista, CO 81144

HIGHLY PRODUCTIVE
Cattle and hay ranch at foot of San Juan. Nice home, metal shop, great working corrals and calving sheds. Lighted horse arena. Excellent water rights. Would handle 300 cows year around.

CALL: 303/852-2988

or Write:
RANCH REALTY
2292 S. Hwy. 15
Monte Vista, CO 81144

SOUTHWEST Farms and Ranches 13

480 ACRE FARM located in southeastern Arizona. 4 wells pumpback system, underground pipe and risers, cement ditch, barn and home. \$1,200 per acre. Owner carry. McCombs Realty. Box 178, Wilcox, AZ 85643. Phone: 602/384-4671.

ARIZONA
Farms • Ranches
Agricultural Properties
HASTINGS & COMPANY
RANCH BROKERAGE
20 W. Olive, Suite 112
Gilbert, AZ 85234
PHONE: 602/892-3211
Dave Hastings, Broker

WINTER HOMES AND AGRICULTURAL INVESTMENTS

One hour from Tucson airport
Historic Arizona cattle ranch
50 Miles southwest of Tucson 2,200 acres deeded, 10,000 state leased. Buildings dating from 1876. Beautiful main house, 5 bedrooms, 4 baths, pool, tennis court. Guest, foreman houses. 8 tanks, 9 wells, including 1,000 gpm irrigation on 180 acres. 300-400 mother cow capacity. 1980: income \$101,000; estimated depreciable \$400,000. Quality, dove, pig hunting; base. Present management available or lease back \$1,800,000, 28% down. \$742,000 mortgage at 10%. By owner.

CARNEY LAND COMPANY
Sasabe, AZ 85633
PHONE: 602/822-1011

Remember to use the MINI AD DISPLAY

MAD rate:
\$1.00 more per insertion to have your ad have some of the advantages of the classified regular display ad.
Write the word MAD on your ad order copy, underline the words you prefer in boldface, count the words, figure the cost and add \$1.00 per insertion to take advantage of going MAD.

Western Livestock Journal's CLASSIFIED CORRAL Handy Order Form.

Mail this coupon to: The Classified Corral, 4th Floor, Livestock Exchg. Building, Denver, CO 80216.

Fill this ad to:
Name _____
Address _____
City _____ State _____ Zip _____

Run this ad _____ times under (choose category number) _____ classification _____

MAD Rate: \$1.00 more per insertion. Check here if MAD is desired.
Blind Box Advertisers—
Add \$2.00 per insertion for forwarding of replies.
Please include telephone area code and zip code
if phone and address appear in ad.

Use for word ad copy only—Per insertion

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

CLIP AND MAIL

MOUNTAIN Farms and Ranches 13

HOME ON THE RANGE
Luxury 5,000 sq. ft. home on 43 acres with a 2,900 sq. ft. barn and complete horse facilities. Next to open land, fenced. Stream and trout filled pond. Location in prestigious Evergreen, Colorado. Only 35 minutes to Denver. VIEW \$590,000.

JUNCTION REALTY CO.
Diane Warner
PHONE: 303/874-7778
or 674-0138

FARMS
66 Acres, cement ditches, leveled, one field.
120 Acres, 100 irrigated, nice home, good outbuildings.
177 Acres, 157 irrigated, cement ditches, gated pipe, small feed lot.

RANCHES
PRICE REDUCED DRASTICALLY. Excellent terms on 1,950 acres, plus 1,200 ALN's on BLM. ACT NOW! Time is limited!

FERTILIZER BUSINESS
Grossing \$500,000 per year. Good improvements, well maintained. Impressive history.
LONGMARE
Investments of Colorado, Inc.
715 Harrison Dr. #480
Grand Junction, CO 81501
PHONE: 303/245-9410

SOUTHWEST Farms and Ranches 13

LIVESTOCK YARD
With auction barn, 5 acres prime location. Large home also office. 24 pens with automatic water. Powder River gates, alleys, squeeze chute, scales. On 5 miles east of Holbrook, Arizona. Under appraisal. \$150,000, 29% terms. 602/289-5682.

RANCHES FOR RENT OR LEASE

FOR LEASE: 2 northern Nevada ranches. One 250 acres irrigated with center pivots, one 200 acres irrigated with wheel lines. About 4 miles apart. Both have 2 wells each on Harvey Electric Cooperative power. Contact: Nevada Garvey Ranches, P.O. Box 117, Orinda, CA 94655. 702/272-3301, after 6 p.m.

RANCHES OR PASTURE WANTED

WANTED LEASE: Good cattle ranches. 400-1,000 head capacity. Many possibilities. Write Ad Dept. 542 c/o WLJ.

BUYING PINEAPPLE TIMBER

And timber land. Preferably in Oregon or northern California, but will consider anywhere. 503/826-3028. Kelly Paine, 1898 Salt Creek Rd., Eagle Point, OR 97524.

SOUTHWEST Farms and Ranches 13

20 ACRE CATTLE or horse operation in southeastern Arizona. 1 well, 2 barns, tack room, box stalls, chutes and corrals. 60 head cattle leading capacity. 20'x60' mobile home. \$80,850. McCombs Realty. Box 178, Wilcox, AZ 85643. Phone: 602/384-4671.

FREE FARM & RANCH LISTING NEWSLETTER: Sent out monthly. Includes land in Erath, Hamilton Mills and Enfield Counties. Write or call to be added to free mailing list. FORD REALTY, P.O. Box 34, Stephenville, TX 76401 or phone: 817/968-4113.

SOUTHEASTERN ARIZONA farm 750 acres, 10 wells, pumpback system. 31 acres ELS cotton allotment. 2,800 peach trees, 3,200 sq. ft. grain barn, good water area, ditch and sprinkler irrigation. \$1,158 per acre, owner finance. McCombs Realty. Box 178, Wilcox, AZ 85643. Phone: 602/384-4671.

320 ACRE irrigated farm at Agula, Arizona. A good producer with a 1,400 gallon per minute well and an effective pump-back system. 3 residences included. Must sell to settle an estate. \$384,000. Call or write for complete details. Peterson Agency Real Estate, 148 E. Center, Wickenburg, AZ 85388. Call: 602/684-2472 or 804-2868.

HORSE BREEDING FARM: Southeastern Arizona. 180 acres fenced with pipe and cable, 3 irrigation wells, side roll sprinkler system, 20 covered stalls, feeders, automatic waterers, brick wall barn with heat and air-conditioning, two, 3 bedroom, mobile homes. \$410,000, low down. McCombs Realty. Box 178, Wilcox, AZ 85643. Phone: 602/384-4671.

RANCHES FOR RENT OR LEASE

FOR LEASE: 2 northern Nevada ranches. One 250 acres irrigated with center pivots, one 200 acres irrigated with wheel lines. About 4 miles apart. Both have 2 wells each on Harvey Electric Cooperative power. Contact: Nevada Garvey Ranches, P.O. Box 117, Orinda, CA 94655. 702/272-3301, after 6 p.m.

RANCHES OR PASTURE WANTED

WANTED LEASE: Good cattle ranches. 400-1,000 head capacity. Many possibilities. Write Ad Dept. 542 c/o WLJ.

BUYING PINEAPPLE TIMBER

And timber land. Preferably in Oregon or northern California, but will consider anywhere. 503/826-3028. Kelly Paine, 1898 Salt Creek Rd., Eagle Point, OR 97524.

RANCHES OR PASTURE WANTED

WANTED LEASE: Good cattle ranches. 400-1,000 head capacity. Many possibilities. Write Ad Dept. 542 c/o WLJ.

AIR COMPRESSORS, 150 CFM

rolary. \$3,500. 125 CFM \$2,950. Treadmill. \$2,500. wagon. \$1,500. 209/439-2767.

CAT D8H-46A8775 1100 dozer ripper. \$37,500. Rolls Royce Silver Shadow. \$27,500. 209/439-2767.

CAT D4C hydraulic dozer direct drive, direct drive, 1100 dozer. \$37,500. 209/439-2767.

CAT D4C hydraulic dozer direct drive, direct drive, 1100 dozer. \$37,500. 209/439-2767.

CAT D4C hydraulic dozer direct drive, direct drive, 1100 dozer. \$37,500. 209/439-2767.

CAT D4C hydraulic dozer direct drive, direct drive, 1100 dozer. \$37,500. 209/439-2767.

CAT D4C hydraulic dozer direct drive, direct drive, 1100 dozer. \$37,500. 209/439-2767.

RANCHES OR PASTURE WANTED

WANTED TO BUY
Ranch to run 300-500 head cattle or eastern Oregon. Remote loc. Hay and permit land. Write Ad Dept. 542 c/o WLJ.

RANCH WANTED
400 to 600 acre full time. Working cattle only, no speculation. Family operation. Preferred turnkey. Call: 509/422-8190 or 509/826-5773.

FARM AND LAND INSTITUTE
Bill Knipe
AFLM/MSA
Don Withers/CRA
Brokers & Appraisers
Consultants
ROBISON
REALTY, INC.
P.O. Box 988
Boise, ID 83701
Ph: 208/345-3183

REAL ESTATE
FOR TRADE
HAVE VERY COMPLETE place for gold mining. Located in Idaho. 200,000 sq. ft. of gold. 200,000 sq. ft. of silver. 200,000 sq. ft. of copper. 200,000 sq. ft. of lead. 200,000 sq. ft. of zinc. 200,000 sq. ft. of iron. 200,000 sq. ft. of nickel. 200,000 sq. ft. of cobalt. 200,000 sq. ft. of manganese. 200,000 sq. ft. of chromium. 200,000 sq. ft. of vanadium. 200,000 sq. ft. of niobium. 200,000 sq. ft. of tantalum. 200,000 sq. ft. of tin. 200,000 sq. ft. of antimony. 200,000 sq. ft. of arsenic. 200,000 sq. ft. of selenium. 200,000 sq. ft. of tellurium. 200,000 sq. ft. of bismuth. 200,000 sq. ft. of molybdenum. 200,000 sq. ft. of tungsten. 200,000 sq. ft. of rhenium. 200,000 sq. ft. of ruthenium. 200,000 sq. ft. of rhodium. 200,000 sq. ft. of palladium. 200,000 sq. ft. of silver. 200,000 sq. ft. of gold. 200,000 sq. ft. of platinum. 200,000 sq. ft. of iridium. 200,000 sq. ft. of osmium. 200,000 sq. ft. of nickel. 200,000 sq. ft. of cobalt. 200,000 sq. ft. of manganese. 200,000 sq. ft. of chromium. 200,000 sq. ft. of vanadium. 200,000 sq. ft. of niobium. 200,000 sq. ft. of tantalum. 200,000 sq. ft. of tin. 200,000 sq. ft. of antimony. 200,000 sq. ft. of arsenic. 200,000 sq. ft. of selenium. 200,000 sq. ft. of tellurium. 200,000 sq. ft. of bismuth. 200,000 sq. ft. of molybdenum. 200,000 sq. ft. of tungsten. 200,000 sq. ft. of rhenium. 200,000 sq. ft. of ruthenium. 200,000 sq. ft. of rhodium. 200,000 sq. ft. of palladium. 200,000 sq. ft. of silver. 200,000 sq. ft. of gold. 200,000 sq. ft. of platinum. 200,000 sq. ft. of iridium. 200,000 sq. ft. of osmium. 200,000 sq. ft. of nickel. 200,000 sq. ft. of cobalt. 200,000 sq. ft. of manganese. 200,000 sq. ft. of chromium. 200,000 sq. ft. of vanadium. 200,000 sq. ft. of niobium. 200,000 sq. ft. of tantalum. 200,000 sq. ft. of tin. 200,000 sq. ft. of antimony. 200,000 sq. ft. of arsenic. 200,000 sq. ft. of selenium. 200,000 sq. ft. of tellurium. 200,000 sq. ft. of bismuth. 200,000 sq. ft. of molybdenum. 200,000 sq. ft. of tungsten. 200,000 sq. ft. of rhenium. 200,000 sq. ft. of ruthenium. 200,000 sq. ft. of rhodium. 200,000 sq. ft. of palladium. 200,000 sq. ft. of silver. 200,000 sq. ft. of gold. 200,000 sq. ft. of platinum. 200,000 sq. ft. of iridium. 200,000 sq. ft. of osmium. 200,000 sq. ft. of nickel. 200,000 sq. ft. of cobalt. 200,000 sq. ft. of manganese. 200,000 sq. ft. of chromium. 200,000 sq. ft. of vanadium. 200,000 sq. ft. of niobium. 200,000 sq. ft. of tantalum. 200,000 sq. ft. of tin. 200,000 sq. ft. of antimony. 200,000 sq. ft. of arsenic. 200,000 sq. ft. of selenium. 200,000 sq. ft. of tellurium. 200,000 sq. ft. of bismuth. 200,000 sq. ft. of molybdenum. 200,000 sq. ft. of tungsten. 200,000 sq. ft. of rhenium. 200,000 sq. ft. of ruthenium. 200,000 sq. ft. of rhodium. 200,000 sq. ft. of palladium. 200,000 sq. ft. of silver. 200,000 sq. ft. of gold. 200,000 sq. ft. of platinum. 200,000 sq. ft. of iridium. 200,000 sq. ft. of osmium. 200,000 sq. ft. of nickel. 200,000 sq. ft. of cobalt. 200,000 sq. ft. of manganese. 200,000 sq. ft. of chromium. 200,000 sq. ft. of vanadium. 200,000 sq. ft. of niobium. 200,000 sq. ft. of tantalum. 200,000 sq. ft. of tin. 200,000 sq. ft. of antimony. 200,000 sq. ft. of arsenic. 200,000 sq. ft. of selenium. 200,000 sq. ft. of tellurium. 200,000 sq. ft. of bismuth. 200,000 sq. ft. of molybdenum. 200,000 sq. ft. of tungsten. 200,000 sq. ft. of rhenium. 200,000 sq. ft. of ruthenium. 200,000 sq. ft. of rhodium. 200,000 sq. ft. of palladium. 200,000 sq. ft. of silver. 200,000 sq. ft. of gold. 200,000 sq. ft. of platinum. 200,000 sq. ft. of iridium. 200,000 sq. ft. of osmium. 200,000 sq. ft. of nickel. 200,000 sq. ft. of cobalt. 200,000 sq. ft. of manganese. 200,000 sq. ft. of chromium. 200,000 sq. ft. of vanadium. 200,000 sq. ft. of niobium. 200,000 sq. ft. of tantalum. 200,000 sq. ft. of tin. 200,000 sq. ft. of antimony. 200,000 sq. ft. of arsenic. 200,000 sq. ft. of selenium. 200,000 sq. ft. of tellurium. 200,000 sq. ft. of bismuth. 200,000 sq. ft. of molybdenum. 200,000 sq. ft. of tungsten. 200,000 sq. ft. of rhenium. 200,000 sq. ft. of ruthenium. 200,000 sq. ft. of rhodium. 200,000 sq. ft. of palladium. 200,000 sq. ft. of silver. 200,000 sq. ft. of gold. 200,000 sq. ft. of platinum. 200,000 sq. ft. of iridium. 200,000 sq. ft. of osmium. 200,000 sq. ft. of nickel. 200,000 sq. ft. of cobalt. 200,000 sq. ft. of manganese. 200,000 sq. ft. of chromium. 200,000 sq. ft. of vanadium. 200,000 sq. ft. of niobium. 200,000 sq. ft. of tantalum. 200,000 sq. ft. of tin. 200,000 sq. ft. of antimony. 200,000 sq. ft. of arsenic. 200,000 sq. ft. of selenium. 200,000 sq. ft. of tellurium. 200,000 sq. ft. of bismuth. 200,000 sq. ft. of molybdenum. 200,000 sq. ft. of tungsten. 200,000 sq. ft. of rhenium. 200,000 sq. ft. of ruthenium. 200,000 sq. ft. of rhodium. 200,000 sq. ft. of palladium. 200,000 sq. ft. of silver. 200,000 sq. ft. of gold. 200,000 sq. ft. of platinum. 200,000 sq. ft. of iridium. 200,000 sq. ft. of osmium. 200,000 sq. ft. of nickel. 200,000 sq. ft. of cobalt. 200,000 sq. ft. of manganese. 200,000 sq. ft. of chromium. 200,000 sq. ft. of vanadium. 200,000 sq. ft. of niobium. 200,000 sq. ft. of tantalum. 200,000 sq. ft. of tin. 200,000 sq. ft. of antimony. 200,000 sq. ft. of arsenic. 200,000 sq. ft. of selenium. 200,000 sq. ft. of tellurium. 200,000 sq. ft. of bismuth. 200,000 sq. ft. of molybdenum. 200,000 sq. ft. of tungsten. 200,000 sq. ft. of rhenium. 200,000 sq. ft. of ruthenium. 200,000 sq. ft. of rhodium. 200,000 sq. ft. of palladium. 200,000 sq. ft. of silver. 200,000 sq. ft. of gold. 200,000 sq. ft. of platinum. 200,000 sq. ft. of iridium. 200,000 sq. ft. of osmium. 200,000 sq. ft. of nickel. 200,000 sq. ft. of cobalt. 200,000 sq. ft. of manganese. 200,000 sq. ft. of chromium. 200,000 sq. ft. of vanadium. 200,000 sq. ft. of niobium. 200,000 sq. ft. of tantalum. 200,000 sq. ft. of tin. 200,000 sq. ft. of antimony. 200,000 sq. ft. of arsenic. 200,000 sq. ft. of selenium. 200,000 sq. ft. of tellurium. 200,000 sq. ft. of bismuth. 200,000 sq. ft. of molybdenum. 200,000 sq. ft. of tungsten. 200,000 sq. ft. of rhenium. 200,000 sq. ft. of ruthenium. 200,000 sq. ft. of rhodium. 200,000 sq. ft. of palladium. 200,000 sq. ft. of silver. 200,000 sq. ft. of gold. 200,000 sq. ft. of platinum. 200,000 sq. ft. of iridium. 200,000 sq. ft. of osmium. 200,000 sq. ft. of nickel. 200,000 sq. ft. of cobalt. 200,000 sq. ft. of manganese. 200,000 sq. ft. of chromium. 200,000 sq. ft. of vanadium. 200,000 sq. ft. of niobium. 200,000 sq. ft. of tantalum. 200,000 sq. ft. of tin. 200,000 sq. ft. of antimony. 200,000 sq. ft. of arsenic. 200,000 sq. ft. of selenium. 200,000 sq. ft. of tellurium. 200,000 sq. ft. of bismuth. 200,000 sq. ft. of molybdenum. 200,000 sq. ft. of tungsten. 200,000 sq. ft. of rhenium. 200,000 sq. ft. of ruthenium. 200,000 sq. ft. of rhodium. 200,000 sq. ft. of palladium. 200,000 sq. ft. of silver. 200,000 sq. ft. of gold. 200,000 sq. ft. of platinum. 200,000 sq. ft. of iridium. 200,000 sq. ft. of osmium. 200,000 sq. ft. of nickel. 200,000 sq. ft. of cobalt. 200,000 sq. ft. of manganese. 200,000 sq. ft. of chromium. 200,000 sq. ft. of vanadium. 200,000 sq. ft. of niobium. 200,000 sq. ft. of tantalum. 200,000 sq. ft. of tin. 200,000 sq. ft. of antimony. 200,000 sq. ft. of arsenic. 200,000 sq. ft. of selenium. 200,000 sq. ft. of tellurium. 200,000 sq. ft. of bismuth. 200,000 sq. ft. of molybdenum. 200,000 sq. ft. of tungsten. 200,000 sq. ft. of rhenium. 200,000 sq. ft. of ruthenium. 200,000 sq. ft. of rhodium. 200,000 sq. ft. of palladium. 200,000 sq. ft. of silver. 200,000 sq. ft. of gold. 200,000 sq. ft. of platinum. 200,000 sq. ft. of iridium. 200,000 sq. ft. of osmium. 200,000 sq. ft. of nickel. 200,000 sq. ft. of cobalt. 200,000 sq. ft. of manganese. 200,000 sq. ft. of chromium. 200,000 sq. ft. of vanadium. 200,000 sq. ft. of niobium. 200,000 sq. ft. of tantalum. 200,000 sq. ft. of tin. 200,000 sq. ft. of antimony. 200,000 sq. ft. of arsenic. 200,000 sq. ft. of selenium. 200,000 sq. ft. of tellurium. 200,000 sq. ft. of bismuth. 200,000 sq. ft. of molybdenum. 200,000 sq. ft. of tungsten. 200,000 sq. ft. of rhenium. 200,000 sq. ft. of ruthenium. 200,000 sq. ft. of rhodium. 200,000 sq. ft. of palladium. 200,000 sq. ft. of silver. 200,000 sq. ft. of gold. 200,000 sq. ft. of platinum. 200,000 sq. ft. of iridium. 200,000 sq. ft. of osmium. 200,000 sq. ft. of nickel. 200,000 sq. ft. of cobalt. 200,000 sq. ft. of manganese. 200,000 sq. ft. of chromium. 200,000 sq. ft. of vanadium. 200,000 sq. ft. of niobium. 200,000 sq. ft. of tantalum. 200,000 sq. ft. of tin. 200,000 sq. ft. of antimony. 200,000 sq. ft. of arsenic. 200,000 sq. ft. of selenium. 200,000 sq. ft. of tellurium. 200,000 sq. ft. of bismuth. 200,000 sq. ft. of molybdenum. 200,000 sq. ft. of tungsten. 200,000 sq. ft. of rhenium. 200,000 sq. ft. of ruthenium. 200,000 sq. ft. of rhodium. 200,000 sq. ft. of palladium. 200,000 sq. ft. of silver. 200,000 sq. ft. of gold. 200,000 sq. ft. of platinum. 200,000 sq. ft. of iridium. 200,000 sq. ft. of osmium. 200,000 sq. ft. of nickel. 200,000 sq. ft. of cobalt. 200,000 sq. ft. of manganese. 200,000 sq. ft. of chromium. 200,000 sq. ft. of vanadium. 200,000 sq. ft. of niobium. 200,000 sq. ft. of tantalum. 200,000 sq. ft. of tin. 200,000 sq. ft. of antimony. 200,000 sq. ft. of arsenic. 200,000 sq. ft. of selenium. 200,000 sq. ft. of tellurium. 200,000 sq. ft. of bismuth. 200,000 sq. ft. of molybdenum. 200,000 sq. ft. of tungsten. 200,000 sq. ft. of rhenium. 200,000 sq. ft. of ruthenium. 200,000 sq. ft. of rhodium. 200,000 sq. ft. of palladium. 200,000 sq. ft. of silver. 200,000 sq. ft. of gold. 200,000 sq. ft. of platinum. 200,000 sq. ft. of iridium. 200,000 sq. ft. of osmium. 200,000 sq. ft. of nickel. 200,000 sq. ft. of cobalt. 200,000 sq. ft. of manganese. 200,000 sq. ft. of chromium. 200,000 sq. ft. of vanadium. 200,000 sq. ft. of niobium. 200,000 sq. ft. of tantalum. 200,000 sq. ft. of tin. 200,000 sq. ft. of antimony. 200,000 sq. ft. of arsenic. 200,000 sq. ft. of selenium. 200,000 sq.